Annual Course Report
2015-2016

A- Basic Information		
1- Title and code:	General Chemistry (1) **100 Ch**	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	First level	
4- Teaching hours	Lectures hrs. /week	2
	Tutorial hrs. /week	0
	Practical hrs. /week	0
	Total hrs. /week	2
4- Credit hours	Total credit hrs.	2

5- Names of lecturers contributing to the delivery of the course
Prof. Dr. Mostafa shahein Prof. Dr. Ibrahim El Sayed Dr. Mostafa Nassar
Course coordinator:
Prof. Dr. Ibrahim El Sayed Prof. Dr. Mostafa shahein Dr. Mostafa Nassar
External evaluator: None

B- Statistical Information

No. of students attending the course: **No.** 625 **100 %**
No. of students completing the course: **No.** 585 **100 %**
Results:

	No.	**%**
Passed	**336**	57
Failed	**249**	**43**

Grading of successful students:

	No.	**%**
Excellent	**0**	**2**
Very Good	**16**	**3**
Good	**170**	**29**
Pass	**150**	**26**

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours	% of total
1 Introduction to General Chemistry and the Units	2	1	0	17.4%
2 Identify chemical formulae of inorganic	2	1	0	17.4%
3 Characteristics of different states of the matter	2	1	0	17.4%
4 Study the chemical bonding	2	1	0	17.4%
5 State the principles of electrochemistry.	2	1	0	17.4%
6 Study the molecular orbital diagram for	2	1	0	17.4%
7 Mid Term Exam.	2	1	0	17.4%
8 Molecular structure	2	1	0	17.4%
9 Study the state of matter	2	1	0	17.4%
10 Thermochemistry study	2	1	0	17.4%
11 Stoichiometric study.	2	1	0	17.4%
12 Atomic structure	2	1	0	17.4%
13 Hybridization	2	1	0	17.4%
14 Revision	2	1	0	17.4%
Total hours	**28**	14	0	**100%**

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [….]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a5	b1 to b7	c1 to C3	d1 to d4

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: Carrying out some chemical experiments in chemistry department lab.

Seminar/Workshop: Field work is still needed

Class activity: Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools:	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3, b2, and d1	Fifth week	5 %
Mid-Term Exam	a1, a2, a3, a4, and b2	Seventh week	5 %
Oral exam	a1, a2, a3, a4, b1, b2, b3, c2 and d4	fifteenth week	10 %
Written exam	a1 to a5, b1, b2 and b3.	sixteenth week	80 %
Total			100 %

Members of examination committee		
Prof. Dr. Ibrahim El Sayed	Prof. Dr. Mostafa shahein	Dr. Mostafa Nassar

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins

Inadequate

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s): None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Seminar and Brain storming for all students; participation of all studen (groups) in performing seminar for definite parts of the course followe scientific evaluation performed by course instructor.	Head of the department and all course instructors	Seminar and Brain storming performed for all students (in groups) and covered all course contents

Action State whether or not completed and give reasons for any non-completion

None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date
Development of student skills; participating of all students (in groups) in collecting (using international websites) some scientific parts supporting the basic contents of the course. Also, all these activities will be evaluated by the instructor of the course.	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2016-2017

Course coordinator: Prof. Dr. Ibrahim El Sayed Prof. Dr. Mostafa shahein Dr. Mostafa Nassar

Date: 2015-2016

Annual Course Report
2015-2016

A- Basic Information		
1- Title and code:	General Chemistry (2) **105 Ch**	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	First level	
4- Teaching hours3.	Lectures hrs. /week	2
	Tutorial hrs. /week	0
	Practical hrs. /week	0
	Total hrs. /week	2
4- Credit hours	Total credit hrs.	2

5- Names of lecturers contributing to the delivery of the course:
Dr. Shwekar Tawfik Dr. Abdelmotaal A. El-Sheikh **Course coordinator:** Dr. Shwekar Tawfik Dr. Abdelmotaal A. El-Sheikh **External evaluator:** None

B- Statistical Information

No. of students attending the course: **No.** 336 **100 %**
No. of students completing the course: **No.** 336 **100 %**
Results:

	No.	**%**
Passed	**325**	97
Failed	**11**	**3**

Grading of successful students:

	No.	**%**
Excellent	57	17
Very Good	**162**	48
Good	**90**	**27**
Pass	**16**	**5**

C- Professional Information

1 – Course teaching

3 – Contents

Topic	Lecture hours	Tutorial hours	Practical hours	% of total
1. Chemical equilibrium.	2	0	0	17.4%
2. Ionic equilibrium.	2	0	0	17.4%
3. Solution.	2	0	0	17.4%
4. The chemical and physical properties of solution	2	0	0	17.4%
5. Introduction to qualitative and quantitative analysis.	2	0	0	17.4%
6. Introduction to organic chemistry and chemical bonding in organic chemistry.	2	0	0	17.4%
7. Mid-Term Exam	2	0	0	17.4%
8. Hybridization in carbon atom (sp3, sp2, sp)	2	0	0	17.4%
9. Nomenclature of organic compounds	2	0	0	17.4%
10. Physical and chemical properties of alkanes	2	0	0	17.4%
11. Physical and chemical properties of cycloalkanes	2	0	0	17.4%
12. Physical and chemical properties of alkenes	2	0	0	17.4%
13. Physical and chemical properties of alkynes	2	0	0	17.4%
14. Revision	2	0	0	17.4%
Total hours	**28**	0	0	**100%**

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [….]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a6	b1 to b5	c1 to c3	d1 to d3

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: None

Seminar/Workshop: Field work is still needed

Class activity:

Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools:	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3, b2, c2, c3 and d1	Fifth week	5 %
Mid-Term Exam	a1, a2, a3, a4, b1, b2,b3, c1, and c2	Seventh week	5 %
Oral exam	a1, a2, a3, a4, a5,b1, b2, b3, b4, b5, c5 and d3	fifteenth week	10 %
Written exam	a1, a2, a3, a4, a5, a6, b1, b2, b3, b5	sixteenth week	80 %
Total			100 %

Members of examination committee	Dr. Shwekar Tawfik Dr. Abdelmotaal A. El-Sheikh
Role of external evaluator	None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins

Inadequate

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s):

None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Deficiency of computer and Programs. Limited days of field training due to shortage of funding from the university. Purchasing more specific references and tools.	Head of the department and all course instructors	The course note is updated and the instructor helped in developing the practical course experiments

Action State whether or not completed and give reasons for any non-completion

None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date

Update Computer and design new program required to solve the problem under studies	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2015-2016

Course coordinator: Dr. Shwekar Tawfik Dr. Abdelmotaal A. El-Sheikh

Date: 2015-2016

Annual Course Report
2015-2016

A- Basic Information		
1- Title and code:	Practical Chemistry (1) **180 Ch**	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	First level	
4- Teaching hours	Lectures hrs. /week	0
	Tutorial hrs. /week	0
	Practical hrs. /week	3
	Total hrs. /week	3
4- Credit hours	Total credit hrs.	1

5- Names of lecturers contributing to the delivery of the course: Prof. Dr. Ibrahim S. Ahmed Prof. Dr. Wagdy I. Eldougdoug Dr. Mostafa Y. Nassar
Course coordinator Prof. Dr. Ibrahim S. Ahmed Prof. Dr. Wagdy I. Eldougdoug Dr. Mostafa Y. Nassar
External evaluator: None

B- Statistical Information

No. of students attending the course: **No.** 625 **100 %**
No. of students completing the course: **No.** 625 **100 %**
Results:

	No.	**%**
Passed	**586**	94
Failed	**39**	**6**

Grading of successful students:

	No.	**%**
Excellent	482	77
Very Good	**88**	14
Good	**15**	**2**
Pass	**1**	**0**

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours	% of total
1 Introduction to qualitative analysis and the classification of different groups of acidic and basic radicals.	0	0	3	17.4%
2 Qualitative analysis for gp (I) of acidic radicals.	0	0	3	17.4%
3 Qualitative analysis for gp (II) of acidic radicals.	0	0	3	17.4%
4 Qualitative analysis for gp (III) of acidic radicals.	0	0	3	17.4%
5 Qualitative analysis for gp (I) of basic radical	0	0	3	17.4%
6 Midterm exam	0	0	3	17.4%
7 Introduction for basic radicals	0	0	0	17.4%
8 Qualitative analysis for gp (I) of basic radicals.	0	0	3	17.4%
9 Qualitative analysis for gp (II) of basic radicals.	0	0	3	17.4%
10 Qualitative analysis for gp (III) of basic radicals.	0	0	3	17.4%
11 Qualitative analysis for gp (IV) of basic radicals.	0	0	3	17.4%
12 Qualitative analysis for gp (V) of basic radicals.	0	0	3	17.4%
13 Qualitative analysis for gp (VI) of basic radicals.	0	0	3	17.4%
Total hours	0	0	**42**	**100%**

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [….]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a6	b1 to b5	c1 to c5	d1 to d4

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: Carrying out some chemical experiments in chemistry department lab.

Seminar/Workshop: Field work is still needed

Class activity: Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools:	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3, a5, a6, b2, b3, b5, d1 and d2	Fifth week	5 %
Mid-Term Exam	a1 to a4, b2, and b5	Seventh week	5 %
Oral exam	a1, a2, a3, a4, b1, b2, b3, b4 and d4	fifteenth week	10 %
Written exam	c1 to c5	sixteenth week	80 %
Total			100 %

Members of examination committee Prof. Dr. Ibrahim S. Ahmed Prof. Dr. Wagdy I. Eldougdoug Dr. Mostafa Y. Nassar

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins

Inadequate

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s): None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Seminar and Brain storming for all stude participation of all students (groups) in performing seminar for definite parts of course followed by scientific evaluation performed by the course instructor.	Head of the department and all course instructors	Seminar and Brain storming performed for all students (in groups) and covered all course contents

Action State whether or not completed and give reasons for any non-completion

None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date
Development of student skills; participating of all students (in groups) in collecting (using international websites) some scientific parts supporting the basic contents of the course. Also, all these activities will be evaluated by the instructor of the course.	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2016-2017

Course coordinator: Prof. Dr. Ibrahim S. Ahmed Prof. Dr. Wagdy I. Eldougdoug Dr. Mostafa Y. Nassar

Date: 2015-2016

Annual Course Report
2015-2016

A- Basic Information		
1- Title and code:	Practical Chemistry (2) **181 Ch**	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	First Level	
4- Teaching hours	Lectures hrs. /week	0
	Tutorial hrs. /week	0
	Practical hrs. /week	3
	Total hrs. /week	3
4- Credit hours	Total credit hrs.	1

5- Names of lecturers contributing to the delivery of the course: Hesham El-feky

Course coordinator: Hesham El-feky

External evaluator: None

B- Statistical Information

No. of students attending the course: **No.** 572 **100 %**

No. of students completing the course: **No.** 572 **100 %**

Results:

	No.	%
Passed	**561**	98
Failed	**11**	**2**

Grading of successful students:

	No.	%
Excellent	490	86
Very Good	**51**	**9**
Good	**16**	**3**
Pass	**4**	**1**

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours	% of total
1 Introduction to neutralization reactions with standardization of hydrochloric acid with sodium carbonate.	0	0	3	17.4%
2 Titration of strong acid with strong base and weak acid with weak base.	0	0	3	17.4%
3 Titration of strong acid with weak base and weak acid with strong base.	0	0	3	17.4%
4 Titration of mix(sodium carbonate and sodium hydroxide)with hydrochloric acid	0	0	3	17.4%
5 Titration of mix(sodium carbonate and sodium bicarbonate)with hydrochloric acid	0	0	3	17.4%
6 Titration of mix(hydrochloric acid and phosphoric acid)with sodium hydroxide.	0	0	3	17.4%
7 Mid-term exam.	0	0	3	17.4%
8 Aromatic hydrocarbons	0	0	3	17.4%
9 Alcohols	0	0	3	17.4%
10 Aldehydes and ketones	0	0	3	17.4%
11 Carboxylic acids	0	0	3	17.4%
12 Aromatic amines	0	0	3	17.4%
13 General scheme for identification of simple liquid organic compounds	0	0	3	17.4%
14 Revision.	0	0	3	17.4%
Total hours	0	0	**42**	**100%**

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [….]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a3	b1 to b3	c1 to c2	d1 to d4

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: None

Seminar/Workshop: Field work is still needed

Class activity:

Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools:	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3, b2, d1 and d3	Fifth week	5 %
Mid-Term Exam	a2, a3, b1, b2 and c1	Seventh week	5 %
Oral exam	a1, a2, a3, b2, d1, and d2	fifteenth week	10 %
Written exam	a1, a2, a3, b1, b2, b3, c1, and c2	sixteenth week	80 %
Total			100 %

Members of examination committee Dr Ayman awad

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins

Inadequate

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s): None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Deficiency of computer and Programs. Limited days of field training due to shortage of funding from the university. Purchasing more specific references and tools.	Head of the department and all course instructors	The course note is updated and the instructor helped in developing the practical course experiments

Action State whether or not completed and give reasons for any non-completion

None

9- Action plan for academic year 2016– 2017

Actions required	Person responsible	Completion date
Update Computer and design new program required to solve the problem under studies	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2015-2016

Course coordinator Dr Ayman awad

Date: 2015-2016

Annual Course Report
2015-2016

A- Basic Information		
1- Title and code:	Applied inorganic chemistry (1) **183 Ch**	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	First level	
4- Teaching hours	Lectures hrs. /week	0
	Tutorial hrs. /week	0
	Practical hrs. /week	2
	Total hrs. /week	2
4- Credit hours	Total credit hrs.	1

5- Names of lecturers contributing to the delivery of the course:
Dr.Ayman Awad Dr. Naglaa Mashal

Course coordinator: Dr.Ayman Awad Dr. Naglaa Mashal

External evaluator: None

B- Statistical Information

No. of students attending the course: **No.** 414 **100 %**
No. of students completing the course: **No.** 393 **100 %**
Results:

	No.	%
Passed	**333**	85
Failed	**60**	**15**

Grading of successful students:

	No.	%
Excellent	34	9
Very Good	**97**	25
Good	**112**	**28**
Pass	**90**	**23**

C- Professional Information

1 – Course teaching

3 – Contents

Topic	Lecture hours	Tutorial hours	Practical hours	% of total
1. Introduction to inorganic chemistry	0	2	0	17.4%
2. Classify inorganic compounds and their applications	0	2	0	17.4%
3. Extractive of copper metal from its ores	0	2	0	17.4%
4. Refine copper metal and its applications	0	2	0	17.4%
5. Manufacture of Sodium Hydroxide and chlorine using chlor-alkali and their applications	0	2	0	17.4%
6. Manufacture of Sodium Hydroxide and chlorine using diaphragm and membrane cells	0	2	0	17.4%
7. Mid-term exam	0	2	0	17.4%
8. Raw Materials, nitrogen fixation and application of ammonia	0	2	0	17.4%
9. Manufacture of ammonia using Haber and Carl Bosch process	0	2	0	17.4%
10. Raw Materials, production of sulphur trioxide and application of sulphuric acid	0	2	0	17.4%
11. Manufacture of sulphuric acid using lead-chamber process	0	2	0	17.4%
12. Manufacture of sulphuric acid using contact process	0	2	0	17.4%
13. Manufacture of nitrogen and phosphate Fertilizers	0	2	0	17.4%
14. Manufacture of potassium and NPK Fertilizers	0	2	0	17.4%
Total hours	**0**	**28**	**0**	**100%**

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [….]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a4	b1 to b3	c1 to c3	d1 to d3

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: None

Seminar/Workshop: Field work is still needed

Class activity:

Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools:	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3, b2, c1, d1, d2 and d3	Fifth week	5 %
Mid-Term Exam	a1, a2, a3, a4, b2,c1, and c2	Seventh week	5 %
Oral exam	a1, a2, a3, a4, b1, and b2	fifteenth week	10 %
Written exam	a1, a2, a3, a4, b1, b2 and b3	sixteenth week	80 %
Total			100 %

Members of examination committee Dr.Ayman Awad Dr. Naglaa Mashal

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins

Inadequate

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s):

None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Seminar and Brain storming for all stude participation of all students (groups) in performing seminar for definite parts of course followed by scientific evaluation performed by the course instructor.	Head of the department and all course instructors	Seminar and Brain storming performed for all students (in groups) and covered all course contents

Action State whether or not completed and give reasons for any non-completion

None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date

Development of student skills; participating of all students (in groups) in collecting (using international websites) some scientific parts supporting the basic contents of the course. Also, all these activities will be evaluated by the instructor of the course.	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2016-2017

Course coordinator: **Dr. Naglaa Mashal Mohamed**
Dr. Ayman Awad Ali Abdel Razik
Date: 2015-2016

Annual Course Report
2015-2016

A- Basic Information		
1- Title and code:	Applied organic chemistry (2) **185 Ch**	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	First level	
4- Teaching hours	Lectures hrs. /week	0
	Tutorial hrs. /week	0
	Practical hrs. /week	2
	Total hrs. /week	2
4- Credit hours	Total credit hrs.	1

5- Names of lecturers contributing to the delivery of the course: Ass. Prof. Mohamed Abo Riya Dr. Amal El-Gazzar

Course coordinator Ass. Prof. Mohamed Abo Riya Dr. Amal El-Gazzar

External evaluator: None

B- Statistical Information

No. of students attending the course: **No.** 329 **100 %**
No. of students completing the course: **No.** 329 **100 %**
Results:

	No.	**%**
Passed	**292**	89
Failed	**37**	**11**

Grading of successful students:

	No.	**%**
Excellent	34	10
Very Good	**128**	39
Good	**91**	**28**
Pass	**39**	**12**

C- Professional Information

1 – Course teaching

3 – Contents

No.	Topic	Lecture hours	Tutorial hours	Practical hours
1	Introduction	0	2	0
2	Determination of emprical formula	0	2	0
3	Determination of molecular and structural formula	0	2	0
4	Drawing the stuctural formula by different methods	0	2	0
5	Prediction the emprical formula for organic compounds	0	2	0
6	Isomerism	0	2	0
7	**Med-Term Exam**	0	2	0
8	Comparing among the different functional groups in organic compounds	0	2	0
9	Organic chemistry in plastic industry	0	2	0
10	Organic chemistry in Food industry	0	2	0
11	Organic chemistry in petrochemical industry	0	2	0
12	Organic chemistry in Textile	0	2	0
13	Detergent	0	2	0
14	Revision	0	2	0
	Total hours	**0**	28	**0**

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [….]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a4	b1 to b4	c1 to C2	d1 to d2

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: Carrying out some chemical experiments in chemistry department lab.

Seminar/Workshop: Field work is still needed

Class activity: Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools:	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3, b2, c1, d1 and d3	Fifth week	5 %
Mid-Term Exam	a1, a2, a3, a4, b2,c2, and c3	Seventh week	5 %
Oral exam	a1, a2, a3, a4, b1, b2 and d4	fifteenth week	10 %
Written exam	a1, a2, a3, a4, b1, b2 and b3	sixteenth week	80 %
Total			100 %

Members of examination committee **Ass. Prof. Mohamed Abo Riya** **Dr. Amal El-Gazzar**

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins

Inadequate

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s): None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Seminar and Brain storming for all stude participation of all students (groups) in performing seminar for definite parts of course followed by scientific evaluation performed by the course instructor.	Head of the department and all course instructors	Seminar and Brain storming performed for all students (in groups) and covered all course contents

Action State whether or not completed and give reasons for any non-completion

None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date
Development of student skills; participating of all students (in groups) in collecting (using international websites) some scientific parts supporting the basic contents of the course. Also, all these activities will be evaluated by the instructor of the course.	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2016-2017

Course coordinator: **Ass. Prof. Mohamed Abo Riya Dr. Amal El-Gazzar**

Date: 2015-2016

Annual Course Report
2015-2016

A- Basic Information		
1- Title and code:	Healthy Nutrition **13 Fr**	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	First level	
4- Teaching hours	Lectures hrs. /week	2
	Tutorial hrs. /week	0
	Practical hrs. /week	0
	Total hrs. /week	2
4- Credit hours	Total credit hrs.	2

5- Names of lecturers contributing to the delivery of the course
Prof. Dr. د.مروة عاطف عليوة
د.دعاء صبرى ابراهيم
Course coordinator:
د.مروة عاطف عليوة .
د.دعاء صبرى ابراهيم
External evaluator: None

B- Statistical Information

No. of students attending the course: **No.** 583 **100 %**
No. of students completing the course: **No.** 574 **100 %**
Results:

	No.	**%**
Passed	**552**	96
Failed	**22**	**4**

Grading of successful students:

	No.	**%**
Excellent	**118**	**21**
Very Good	**235**	**41**
Good	**158**	**28**
Pass	**41**	**7**

C- Professional Information

1 – Course teaching

3- محتوى المقرر

الموضوع	ساعات			
	النظرى	العملى	التمارين	من % الكلية
1 أساسيات التغذية والعلاقة بين الغذاء والمغذيات..	2	0	0	%17.4
2 انواع الكربوهيدرات و هضمها .	2	0	0	%17.4
3 أيض الكربوهيدرات و فوائدها.	2	0	0	%17.4
4 الكلية ووظائفها والتغذية العلاجية لمرضى المتلازمة الكلائية.	2	0	0	%17.4
5 التغذية العلاجية لمرضى الالتهاب الكلوى الحاد والفشل الكلوى الحاد	2	0	0	%17.4
6 امتحان منتصف الترم	2	0	0	%17.4
7 التغذية العلاجية لمرضى التهاب الكبد الحاد وتشمع الكبد (1)	2	0	0	%17.4
8 التغذية العلاجية لمرضى التهاب الكبد الحاد وتشمع الكبد (2)	2	0	0	%17.4
9 الماء وأنواع الفيتامينات و خصائصها العامة.	2	0	0	%17.4
10 التغذية العلاجية لمرضى التهاب المرارة	2	0	0	%17.4
11 . أمراض سوء التغذية الناجمة عن نقص الغذاء (فقر الدم) أنواعها وأسبابها وأعراضها	2	0	0	%17.4
12 الأملاح المعدنية كبيرة المقدار.	2	0	0	%17.4
13 فقر الدم الناجم عن نقص والفولات وفيتامين B12	2	0	0	%17.4
14 مراجعة	2	0	0	%17.4
عدد الساعات	28	0	0	%100

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [....]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a10	b1 to b5	c1 to C3	d1 to d4

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: Carrying out some chemical experiments in chemistry department lab.

Seminar/Workshop: Field work is still needed

Class activity:

Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools:	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3,a5, b2, and d1	Fifth week	5 %
Mid-Term Exam	a1, a2, a3, a4, a7,b2,b4, d1, and d2	Seventh week	5 %
Oral exam	a1, a2, a3, a4,a7,a8, b1, b2, b3, and d4	fifteenth week	10 %
Written exam	a1, a2, a3, a4,a10, b1, b2, b3, b4.	sixteenth week	80 %
Total			100 %

Members of examination committee

د.مروة عاطف عليوة

د.دعاء صبرى ابراهيم

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins

Inadequate

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s): None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Deficiency of computer and Programs. Limited days of field training due to shortage of funding from the university. Purchasing more specific references and tools.	Head of the department and all course instructors	The course note is updated and the instructor helped in developing the practical course experiments

Action State whether or not completed and give reasons for any non-completion None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date
Update Computer and design new program required to solve the problem under studies	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2015-2016

Course coordinator:

د.مروة عاطف عليوة

د.دعاء صبرى ابراهيم

Date: 2015-2016

Annual Course Report
2015-2016

A- Basic Information		
1- Title and code:	English (1) 015 Ur	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	First level	
4- Teaching hours	Lectures hrs. /week	2
	Tutorial hrs. /week	0
	Practical hrs. /week	0
	Total hrs. /week	2
4- Credit hours	Total credit hrs.	2

5- Names of lecturers contributing to the delivery of the course Prof. Dr. Ghada
Course coordinator: Prof. Dr. Ghada
External evaluator: None

B- Statistical Information

No. of students attending the course: **No.** 625 **100 %**
No. of students completing the course: **No.** 586 **100 %**
Results:

	No.	%
Passed	**562**	96
Failed	**24**	**4**

Grading of successful students:

	No.	%
Excellent	**281**	**48**
Very Good	**179**	**31**
Good	**86**	**15**
Pass	**16**	**3**

C- Professional Information

1 – Course teaching

3 – Contents

Topic	Lecture hours	Tutorial hours	Practical hours	% of total
1. Reading comprehension part (1)	2	0	0	7.14%
2. Reading comprehension part (2)	2	0	0	7.14%
3. Reading comprehension part (3)	2	0	0	7.14%
4. Grammar part (1)	2	0	0	7.14%
5. Grammar part (2)	2	0	0	7.14%
6. Grammar part (3)	2	0	0	7.14%
7. Mid-term exam	2	0	0	7.14%
8. Grammar part (4)	2	0	0	7.14%
9. Grammar part (5)	2	0	0	7.14%
10. Translation part (1)	2	0	0	7.14%
11. Translation part (2)	2	0	0	7.14%
12. Writing skills part (1)	2	0	0	7.14%
13. Writing skills part (2)	2	0	0	7.14%
14. Revision	2	0	0	7.14%
Total hours	**28**	0	0	100%

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [….]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a3	b1 to b4	c1 to c2	d1 to d2

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: Carrying out some chemical experiments in chemistry department lab.

Seminar/Workshop: Field work is still needed

Class activity:

Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools:	To Measure	Time schedule	Grading
Mid-Term Exam	a1, a2, b1 to b4,c1 and c2	Seventh week	10 %
Oral exam	a1 to a4, b1 to b4,c1,c2 and d1	fifteenth week	10 %
Written exam	a1 to a4 and b1 to b4	sixteenth week	80 %
Total			100 %

Members of examination committee Prof. Dr. Ghada

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins

Inadequate

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s): None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Seminar and Brain storming for all stude participation of all students (groups) in performing seminar for definite parts of course followed by scientific evaluation performed by the course instructor.	Head of the department and all course instructors	Seminar and Brain storming performed for all students (in groups) and covered all course contents

Action State whether or not completed and give reasons for any non-completion

None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date
Development of student skills; participating of all students (in groups)	Head of the department and all course instructors	By the beginning of the second semester of the

in collecting (using international websites) some scientific parts supporting the basic contents of the course. Also, all these activities will be evaluated by the instructor of the course.		academic year 2016-2017

Course coordinator: **Prof. Dr. Ghada**
Date: 2015-2016

Annual Course Report

2015-2016

A- Basic Information		
1- Title and code:	Aliphatic Organic Chemistry (1) (211 Ch)	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	2015-2016 /Second level . (undergraduate)	
4- Teaching hours	Lectures hrs. /week	2
	Tutorial hrs. /week	0
	Practical hrs. /week	3
	Total hrs. /week	5
4- Credit hours	Total credit hrs.	3

5- Names of lecturers contributing to the delivery of the course:
Prof. Dr. Shafei Donia
Prof. Dr. Wagdy El-dougdog
Prof. Dr. Mahasen Saad Ami
Prof. Dr. Abdallah El-Sawy
Course coordinator: Prof. Dr. Shafei Donia
Prof. Dr. Wagdy El-dougdog
Prof. Dr. Mahasen Saad Ami
Prof. Dr. Abdallah El-Sawy
External evaluator: None

B- Statistical Information

No. of students attending the course: **No. 282** **100 %**
No. of students completing the course: **No. 278** **99%**
Results:

	No.	%
Passed	**249**	90
Failed	**29**	**10**

Grading of successful students:

	No.	%
Excellent	**21**	**8**
Very Good	**87**	**31**
Good	**104**	**37**
Pass	**37**	**13**

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours	% of total
1. Halogenic derivatives of hydrocarbons	2	0	3	17.4%
2. Alcohols	2	0	3	17.4%
3. Ethers	2	0	3	17.4%
4. Sulphur compounds of alcohols	2	0	3	17.4%
5. Sulphur compounds of ethers	2	0	3	17.4%
6. Aldehydes	2	0	3	17.4%
7. Mid-term exam	2	0	3	17.4%
8. Ketones	2	0	3	17.4%
9. Monocarboxylic acids	2	0	3	17.4%
10. Esters	2	0	3	17.4%
11. Amides	2	0	3	17.4%
12. Amines	2	0	3	17.4%
13. Anhydrides	2	0	3	17.4%
14. Revision	2	0	3	17.4%
Total hours	**28**	0	**42**	**100%**

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [....]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a6	b1 to b4	c1	d1 to d2

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: Carrying out some chemical experiments in chemistry department lab.

Seminar/Workshop: Field work is still needed

Class activity:

Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools	To Measure	Time schedule	Grading
Semester Work	a1, a2, a4, b1, b2 and d1	Fifth week	**3 %**
Mid-Term Exam	a1, a2, a3, a5, b1, b2, d1, and d2	Seventh week	**3 %**
Oral exam	a1, a2, a3, a4, a5, a6, b1, b2, b3, and d2	Fifteenth week	**6 %**
Practical exam	c1	Sixteenth week	**40%**
Written exam	a1, a2, a3, a4, a5, a6, b1, b2, b3.	Seventeenth week	**48 %**
Total			**100 %**

Members of examination committee	Prof. Dr. Shafei Donia
Prof. Dr. Wagdy El-dougdog	
Prof. Dr. Mahasen Saad Ami	
Prof. Dr. Abdallah El-Sawy	

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins

Inadequate

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s): None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action

Seminar and Brain storming for all stude participation of all students (groups) in performing seminar for definite parts of course followed by scientific evaluation performed by the course instructor.	Head of the department and all course instructors	Seminar and Brain storming performed for all students (in groups) and covered all course contents

Action State whether or not completed and give reasons for any non-completion

None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date
Development of student skills; participating of all students (in groups) in collecting (using international websites) some scientific parts supporting the basic contents of the course. Also, all these activities will be evaluated by the instructor of the course.	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2016-2017

Course coordinator: **Prof. Dr. Ahmed Shalaby**

Date: 2015-2016

Annual Course Report

2015-2016

A- Basic Information		
1- Title and code:	Aliphatic Organic Chemistry (2) (213 Ch)	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	2015-2016 /Second level . (undergraduate)	
4- Teaching hours	Lectures hrs. /week	2
	Tutorial hrs. /week	1
	Practical hrs. /week	0
	Total hrs. /week	3
4- Credit hours	Total credit hrs.	2

5- Names of lecturers contributing to the delivery of the course:
Prof .Dr. Wagdey Eldogdog
Course coordinator: Prof .Dr. Wagdey Eldogdog
External evaluator: None

B- Statistical Information

No. of students attending the course:	**No.** 279	**100 %**
No. of students completing the course:	**No.** 274	**98%**

Results:

	No.	%
Passed	200	73
Failed	74	27

Grading of successful students:

	No.	%
Excellent	27	10
Very Good	68	25
Good	69	25
Pass	36	13

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours	% of total
1. Introduction	2	0	0	17.4%
2. Aliphatic cycloalkanes	2	0	0	17.4%
3. Dienophiles and their applications	2	0	0	17.4%
4. Unsaturated alcohols (synthesis and applications)	2	0	0	17.4%
5. Polyhydric alcohols (Di & Trihydric alcohols)	2	0	0	17.4%
6. Polyhydric alcohols in industrial field	2	0	0	17.4%
7. Mid-term exam	2	0	0	17.4%
8. Polycarboxylic acids	2	0	0	17.4%
9. Hydroxy acids	2	0	0	17.4%
10. Unsaturated organic acids	2	0	0	17.4%
11. Organic compounds with active methylene group	2	0	0	17.4%
12. Synthesis and of active methylene compounds	2	0	0	17.4%
13. Applications of naphthenes in industrial field	2	0	0	17.4%
14. Revision	2	0	0	17.4%
Total hours	**28**	0	0	**100%**

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [....]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a6	b1 to b4	c1 to C3	d1 to d2

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: None
Seminar/Workshop: Field work is still needed
Class activity:

Using computer and data show during discussion

Case Study: None
Other assignments/homework: weekly assignments
If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3, b2 and d1	Fifth week	**5 %**
Mid-Term Exam	a1, a2, a3, a5, a6, b2, b3, d1, and d2	Seventh week	**5 %**
Oral exam	a1, a2, a3, a4, a5, a6, b1, b2, b3, d1and d2	fifteenth week	**10 %**
Written exam	a1, a2, a3, a4, a5, a6, b1, b2, b3.	sixteenth week	**80 %**
Total			**100 %**

Members of examination committee	Prof .Dr. Wagdey Eldogdog
Role of external evaluator	None

4- Facilities and teaching materials:
Totally adequate
Adequate to some extent: Microphones functionality should be checked before semester begins
Inadequate
List any inadequacies: None

5- Administrative constraints
List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s):
None

8- Course enhancement:
Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Deficiency of computer and Programs. Limited days of field training due to shortage of funding from the university. Purchasing more specific references and tools.	Head of the department and all course instructors	The course note is updated and the instructor helped in developing the practical course experiments

Action State whether or not completed and give reasons for any non-completion
None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date
Update Computer and design new program required to solve the problem under studies	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2016-2017

Course coordinator: Prof .Dr. Wagdey Eldogdog

Date: 2015-2016

Annual Course Report

2015-2016

A- Basic Information		
1- Title and code:	Petrochemical and petroleum additives (219 Ch)	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	2015-2016 /Second level. (undergraduate)	
4- Teaching hours	Lectures hrs. /week	2
	Tutorial hrs. /week	0
	Practical hrs. /week	0
	Total hrs. /week	2
4- Credit hours	Total credit hrs.	2

5- Names of lecturers contributing to the delivery of the course:
Dr. Ahmed H. Tantawy
Course coordinator: Dr. Ahmed H. Tantawy
External evaluator: None

B- Statistical Information

No. of students attending the course: **No.** 279 **100 %**
No. of students completing the course: **No.** 275 **99%**
Results:

	No.	%
Passed	249	91
Failed	26	9

Grading of successful students:

	No.	%
Excellent	9	3
Very Good	116	42
Good	104	38

	Pass	**20**	**7**

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours	% of total
1. Introduction to the principals of petroleum chemistry	2	0	0	17.4%
2. General uses of petroleum compounds in different fields	2	0	0	17.4%
3. Application of the petroleum products in rubbers, and fibers industries	2	0	0	17.4%
4. Application of the petroleum products in industrial detergents.	2	0	0	17.4%
5. Application of the petroleum products in Pesticides and other industries	2	0	0	17.4%
6. Short notes about petroleum additives and their properties.	2	0	0	17.4%
7. Mid-Term Exam.	2	0	0	17.4%
8. Preparation of Lubricating oils from of crude oils by refining and properties of Lub. oils	2	0	0	17.4%
9. Lubricating oils additives	2	0	0	17.4%
10. Fuels additives	2	0	0	17.4%
11. What is the gasoline?	2	0	0	17.4%
12. General properties of gasoline additives	2	0	0	17.4%
13. General properties of fuel additives	2	0	0	17.4%
14. Revision	2	0	0	17.4%
Total hours	**28**	0	**0**	**100%**

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [....]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a5	b1 to b3	c1 to C2	d1 to d4

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: Carrying out some chemical experiments in chemistry department lab.
Seminar/Workshop: Field work is still needed
Class activity:

Using computer and data show during discussion

Case Study: None
Other assignments/homework: weekly assignments
If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3, b2, d1 and d3	Fifth week	**5 %**
Mid-Term Exam	a1, a2, a3, a4, b2, d1, and d2	Seventh week	**5 %**
Oral exam	a1, a2, a3, a4, b1, b2, b3, c1, c2, and d4	fifteenth week	**10 %**
Written exam	a1, a2, a3, a4, a5,b1, b2, b3.	sixteenth week	**80 %**
Total			**100 %**

Members of examination committee: Dr. Ahmed H. Tantawy

Role of external evaluator None

4- Facilities and teaching materials:
Totally adequate
Adequate to some extent: Microphones functionality should be checked before semester begins
Inadequate
List any inadequacies: None

5- Administrative constraints
List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s): None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Seminar and Brain storming for all stude participation of all students (groups) in performing seminar for definite parts of course followed by scientific evaluation performed by the course instructor.	Head of the department and all course instructors	Seminar and Brain storming performed for all students (in groups) and covered all course

		contents

Action State whether or not completed and give reasons for any non-completion

None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date
Development of student skills; participating of all students (in groups) in collecting (using international websites) some scientific parts supporting the basic contents of the course. Also, all these activities will be evaluated by the instructor of the course.	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2016-2017

Course coordinator: **Prof. Dr. Ahmed Shalaby**

Date: 2015-2016

Annual Course Report

2015-2016

A- Basic Information		
1- Title and code:	Chemical Thermodynamics (439 Ch)	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	2015-2016 Second level/. (undergraduate)	
4- Teaching hours	Lectures hrs. /week	2
	Tutorial hrs. /week	0
	Practical hrs. /week	0
	Total hrs. /week	2
4- Credit hours	Total credit hrs.	2

5- Names of lecturers contributing to the delivery of the course:

Prof. Dr. Mohamed M. Mokhtar
Dr. Kamal. A. Soliman

Course coordinator: **Prof. Dr. Mohamed M. Mokhtar**
Dr. Kamal. A. Soliman

External evaluator: **None**

B- Statistical Information

No. of students attending the course: **No.** 270 **100 %**

No. of students completing the course: **No.** 266 **99%**

Results:

	No.	%
Passed	**258**	**97**
Failed	**8**	**3**

Grading of successful students:

	No.	%
Excellent	**42**	**16**
Very Good	**136**	**51**
Good	**69**	**26**
Pass	**11**	**4**

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours	% of total
1. Introduction to chemical thermodynamics concepts (System, Types of process, functions, equilibrium state).	2	0	0	17.4%
2. Reversible and irreversible process, work and types of energies	2	0	0	17.4%
3. Zero law and first law of thermodynamic(statements and mathematical expressions)	2	0	0	17.4%
4. Internal energy, enthalpy and heat capacity	2	0	0	17.4%
5. Applications of first law of thermodynamics and calculations of different thermodynamic functions	2	0	0	17.4%
6. Carnot cycle and the efficiency of heat engine	2	0	0	17.4%
7. Mid-Term Exam.	2	0	0	17.4%
8. Second law of thermodynamic (statements and mathematical expressions)	2	0	0	17.4%
9. Entropy concept, microstates and its calculations	2	0	0	17.4%
10. Free energies and the direction of physical and chemical reactions	2	0	0	17.4%
11. Chemical potential and thermodynamics of solutions	2	0	0	17.4%
12. Chemical equilibrium and equilibrium constant and its relation with the free energy and its dependence on pressure and temperature part (1).	2	0	0	17.4%
13. Chemical equilibrium and equilibrium constant and its relation with the free energy and its dependence on pressure and temperature part (2).	2	0	0	17.4%
14. Revision	2	2	0	17.4%
Total hours	**28**	0	**0**	**100%**

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [....]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a5	b1 to b4	c1 to C2	d1 to d4

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: None

Seminar/Workshop: Field work is still needed

Class activity:

Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3, b2, and d1	Fifth week	5 %
Mid-Term Exam	a1, a2, a3, a4, b2, d1, and d2	Seventh week	5 %
Oral exam	a1, a2, a3, a4, b1, b2, b3.and d4	fifteenth week	10 %
Written exam	a1, a2, a3, a4, b1, b2, b3.	sixteenth week	80 %
Total			100 %

Members of examination committee: **Prof. Dr. Mohamed M. Mokhtar**
Dr. Kamal. A. Soliman

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins

Inadequate

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s): None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Seminar and Brain storming for all stude participation of all students (groups) in performing seminar for definite parts of course followed by scientific evaluation performed by the course instructor.	Head of the department and all course instructors	Seminar and Brain storming performed for all students (in groups) and covered all course contents

Action State whether or not completed and give reasons for any non-completion

None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date
Development of student skills; participating of all students (in groups) in collecting (using international websites) some scientific parts supporting the basic contents of the course. Also, all these activities will be	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2016-2017

evaluated by the instructor of the course.		

Course coordinator: **Prof. Dr. Ahmed Shalaby**
Date: 2015-2016

Annual Course Report
2015-2016

A- Basic Information		
1- Title and code:	Water treatment Chemistry (240Ch)	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	2015-2016 / Second level . (undergraduate)	
4- Teaching hours	Lectures hrs. /week	2
	Tutorial hrs. /week	0
	Practical hrs. /week	2
	Total hrs. /week	4
4- Credit hours	Total credit hrs.	3

5- Names of lecturers contributing to the delivery of the course:
Prof. Dr. Moustafa E Moustafa **Course coordinator:** Prof. Dr. Moustafa E Moustafa
External evaluator: None

B- Statistical Information

No. of students attending the course: **No.** 281 **100 %**
No. of students completing the course: **No.** 277 **99%**
Results:

	No.	**%**
Passed	**269**	97
Failed	**8**	**3**

Grading of successful students:

	No.	**%**
Excellent	**93**	**34**
Very Good	**108**	**39**

Good	58	21
Pass	10	4

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours
1. Introduction to photo organic chemistry.	2	0	2
2. Reaction mechanism of photo organic compounds.	2	0	2
3. Energy levels of molecules.	2	0	2
4. Absorption and emission of light	2	0	2
5. Principal reactions of photochemistry.	2	0	2
6. Photo chemistry of carbonyl compounds.	2	0	2
7. Mid-Term Exam.	2	0	2
8. Photochemistry of alkenes part (1).	2	0	2
9. Photochemistry of alkenes part (2).	2	0	2
10. Photochemistry of enones part (1).	2	0	2
11. Photochemistry of enones part (2).	2	0	2
12. Photo chemistry of aromatic compounds.	2	0	2
13. Introduction to identify isomers	2	0	2
14. Stereochemistry of some organic compounds	2	0	2
Total hours	**28**	0	**28**

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [....]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a3	b1 to b3	c1 to C2	d1 to d3

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: None

Seminar/Workshop: Field work is still needed

Class activity: Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3, b1, d3, d1, and d2	Fifth week	**3 %**
Mid-Term Exam	a1, a2, a3 and b3	Seventh week	**3 %**
Oral exam	a1, a2, a3, b1, b2, b3 and c1	Thirteenth week	**6 %**
Practical exam	C1 and C2	Sixteenth week	**40%**
Written exam	a1, a2, a3, b1, b2, b3.	Fourteenth week	**48 %**
Total			**100 %**

Members of examination committee
Prof. Dr. Moustafa E Moustafa

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins

Inadequate

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s):

None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Seminar and Brain storming for all stude participation of all students (groups) in performing seminar for definite parts of course followed by scientific evaluation performed by the course instructor.	Head of the department and all course instructors	Seminar and Brain storming performed for all students (in groups) and covered all course contents

Action State whether or not completed and give reasons for any non-completion

None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date
Development of student skills; participating of all students (in groups) in collecting (using international websites) some scientific parts supporting the basic contents of the course. Also, all these activities will be	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2016-2017

evaluated by the instructor of the course.		

Course coordinator: **Prof. Dr. Ahmed Shalaby**
Date: 2015-2016

Annual Course Report
2015-2016

A- Basic Information		
1- Title and code:	Chemistry of Small Industry 210 Ch)	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	2015-2016Second level . (undergraduate)	
4- Teaching hours	Lectures hrs. /week	2
	Tutorial hrs. /week	0
	Practical hrs. /week	2
	Total hrs. /week	4
4- Credit hours	Total credit hrs.	3

5- Names of lecturers contributing to the delivery of the course:
prof. Dr. Wagdy El-dougdoug
Prof. Dr. Mohamed Morsy Mohamed

Course coordinator: prof. Dr. Wagdy El-dougdoug
Prof. Dr. Mohamed Morsy Mohamed

External evaluator: None

B- Statistical Information

No. of students attending the course: **No.** 265 **100 %**
No. of students completing the course: **No.** 265 **100 %**
Results:

	No.	%
Passed	**262**	**99**
Failed	**3**	**1**

Grading of successful students:

	No.	%
Excellent	**78**	**29**
Very Good	**130**	**49**

Good	48	18
Pass	6	2

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours	% of total
1. Introduction	2	0	3	7.14%
2. Liquid detergents	2	0	3	7.14%
3. Hard soap	2	0	3	7.14%
4. Shampoo	2	0	3	7.14%
5. Dyes	2	0	3	7.14%
6. Creams	2	0	3	7.14%
7. Mid- Term Exam	2	0	3	7.14%
8. Perfume formulation	2	0	3	7.14%
9. Paper industry	2	0	3	7.14%
10. Paints	2	0	3	7.14%
11. Pigments	2	0	3	7.14%
12. Nylon 6,6	2	0	3	7.14%
13. Plastic industry	2	0	3	7.14%
14. Revision	2	0	3	7.14%
Total hours	**28**	0	**42**	**100%**

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [....]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a6	b1 to b4	c1 to C1	d1 to d2

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: None

Seminar/Workshop: Field work is still needed

Class activity:

Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools	To Measure	Time schedule	Grading
Semester Work	a1, a2, a4, b1, b2 and d1	Fifth week	3 %
Mid-Term Exam	a1, a2, a3, b1, and b2	Seventh week	3 %
Oral exam	a1, a2, a3, a4, a5, a6, b1, b2, b3, and d2	fifteenth week	6 %
Practical exam	C1	Sixteenth week	40%
Written exam	.a1, a2, a3, a4, a5, a6, b1, b2, b3	Seventeenth week	48 %
Total			100 %

Members of examination committee: prof. Dr. Wagdy El-dougdoug
Prof. Dr. Mohamed Morsy Mohamed

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins

Inadequate

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s): None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action

Deficiency of computer and Programs. Limited days of field training due to shortage of funding from the university. Purchasing more specific references and tools.	Head of the department and all course instructors	The course note is updated and the instructor helped in developing the practical course experiments

Action State whether or not completed and give reasons for any non-completion None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date
Update Computer and design new program required to solve the problem under studies	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2016-2017

Course coordinator: prof. Dr. Wagdy El-dougdoug

Prof. Dr. Mohamed Morsy Mohamed

Date: 2015-2016

Annual Course Report

2015-2016

A- Basic Information		
1- Title and code:	Aromatic Organic Chemistry (1) (212 Ch)	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	2015-2016 Second level/ (undergraduate)	
4- Teaching hours	Lectures hrs. /week	2
	Tutorial hrs. /week	1
	Practical hrs. /week	0
	Total hrs. /week	3
4- Credit hours	Total credit hrs.	2

5- Names of lecturers contributing to the delivery of the course:

Prof. Dr. Wagdy El-dougdoug

Dr. Hany Ibrahim Mohamed

Course coordinator: Prof. Dr. Wagdy El-dougdoug

Dr. Hany Ibrahim Mohamed

External evaluator: None

B- Statistical Information

No. of students attending the course: No. 259 **100 %**

No. of students completing the course: No. 259 **100%**

Results:

	No.	%
Passed	210	81
Failed	49	19

Grading of successful students:

	No.	%
Excellent	35	14
Very Good	77	30
Good	67	26
Pass	31	12

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours	% of total
1. Introduction	2	1	0	7.14%
2. Aromaticity	2	**1**	0	7.14%
3. Structure of Benzene	2	1	0	7.14%
4. Nomenclature of Benzene Derivatives	2	1	0	7.14%
5. Reactions of benzene	2	1	0	7.14%
6. Aromatic halogenated derivatives	2	1	0	7.14%
7. Mid-term	2	1	0	7.14%
8. Nitro compounds	2	1	0	7.14%
9. Aromatic carboxylic acids	2	1	0	7.14%
10. Aldehydes	2	1	0	7.14%
11. Ketones	2	1	0	7.14%
12. Aromatic amines	2	1	0	7.14%
13. Diazonium salts	2	1	0	7.14%
14. Revision	2	1	0	7.14%
Total hours	**28**	14	0	100%

Topics taught as a percentage of the content specified:

>90 % √ **70-90 %** ☐ **<70%** ....

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a6	b1 to b4	c1 to C4	d1 to d2

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: Carrying out some chemical experiments in chemistry department lab.

Seminar/Workshop: Field work is still needed

Class activity: Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3, b2 and d1	Fifth week	**5 %**
Mid-Term Exam	a1, a2, a3, a5, a6, b2, b3, d1, and d2	Seventh week	**5 %**
Oral exam	a1, a2, a3, a4, a5, a6, b1, b2, b3, c4 d1and d2	fifteenth week	**10 %**
Written exam	a1, a2, a3, a4, a5, a6, b1, b2, b3.	sixteenth week	**80 %**
Total			**100 %**

Members of examination committee: Prof. Dr. Wagdy El-dougdoug
Dr. Hany Ibrahim Mohamed

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins

Inadequate

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s): None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Deficiency of computer and Programs. Limited days of field training due to shortage of funding from the university. Purchasing more specific references and tools.	Head of the department and all course instructors	The course note is updated and the instructor helped in developing the practical course experiments

Action State whether or not completed and give reasons for any non-completion None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date
Update Computer and design new	Head of the department	By the beginning of the

program required to solve the problem under studies	and all course instructors	second semester of the academic year 2016-2017

Course coordinator: Prof. Dr. Wagdy El-dougdoug
Dr. Hany Ibrahim Mohamed

Date: 2015-2016

Annual Course Report

2015-2016

A- Basic Information		
1- Title and code:	Aromatic Organic Chemistry (2) (214 Ch)	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	2015-2016 /Second level . (undergraduate)	
4- Teaching hours	Lectures hrs. /week	2
	Tutorial hrs. /week	1
	Practical hrs. /week	0
	Total hrs. /week	3
4- Credit hours	Total credit hrs.	2

5- Names of lecturers contributing to the delivery of the course:

Prof. Dr. Wagdy El-dougdoug

Dr. Hany Ibrahim Mohamed

Course coordinator: Prof. Dr. Wagdy El-dougdoug

Dr. Hany Ibrahim Mohamed

External evaluator: None

B- Statistical Information

No. of students attending the course: **No.** 249 **100 %**

No. of students completing the course: **No.** 249 **100 %**

Results:

	No.	%
Passed	200	80
Failed	49	20

Grading of successful students:

	No.	%
Excellent	51	20
Very Good	68	27

Good	50	20
Pass	31	12

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours	% of total
1. Introduction to carboxylic acids and derivatives.	2	1	0	7.14%
2. Aromatic acids and their acidic properties	2	1	0	7.14%
3. Aromatic acid derivatives	2	1	0	7.14%
4. Aromatic acid derivatives	2	1	0	7.14%
5. Introduction to polynuclear aromatic compounds	2	1	0	7.14%
6. Isolated polynuclear aromatic	2	1	0	7.14%
7. Mid-term exam.	2	1	0	7.14%
8. Stereo chemistry of isolated polynuclear aromatic.	2	1	0	7.14%
9. Fused (Naphthalene, Anthrathene, Phenanthrenes).	2	1	0	7.14%
10. Reactions of fused polynuclear aromatic compounds	2	1	0	7.14%
11. Nonbenzinoid aromatic compounds	2	1	0	7.14%
12. Applications of aromatic acids and their derivatives	2	1	0	7.14%
13. Industrial applications of polynuclear aromatics	2	1	0	7.14%
14. Revision	2	1	0	7.14%
Total hours	**28**	**14**	**0**	**100%**

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [....]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a5	b1 to b4	c1 to C4	d1 to d2

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: None

Seminar/Workshop: Field work is still needed

Class activity:

Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools	To Measure	Time schedule	Grading
Semester Work	a1, a2, b2 and d1	Fifth week	**5 %**
Mid-Term Exam	a1, a2, a3,a4, b2, b3, d1, and d2	Seventh week	**5 %**
Oral exam	a1, a2, a3, a4, a5, b1, b2, b3, c4 d1and d2	fifteenth week	**10 %**
Written exam	a1, a2, a3, a4, a5, b1, b2, and b3	sixteenth week	**80 %**
Total			**100 %**

Members of examination committee
Prof. Dr. Wagdy El-dougdoug
Dr. Hany Ibrahim Mohamed

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins

Inadequate

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s): None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Deficiency of computer and Programs. Limited days of field training due to shortage of funding from the university. Purchasing more specific references and tools.	Head of the department and all course instructors	The course note is updated and the instructor helped in developing the practical course experiments

Action State whether or not completed and give reasons for any non-completion None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date

Update Computer and design new program required to solve the problem under studies	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2016-2017

Course coordinator: Prof. Dr. Wagdy El-dougdoug
Dr. Hany Ibrahim Mohamed

Date: 2015-2016

Annual Course Report

2015-2016

A- Basic Information		
1- Title and code:	Inorganic Chemistry (222Ch)	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	2015-2016 /Second level. (undergraduate)	
4- Teaching hours	Lectures hrs. /week	2
	Tutorial hrs. /week	1
	Practical hrs. /week	0
	Total hrs. /week	3
4- Credit hours	Total credit hrs.	2

5- Names of lecturers contributing to the delivery of the course:
Assist Prof. Dr. Mostafa Y. Nassar

Course coordinator: Assist Prof. Dr. Mostafa Y. Nassar

External evaluator: None

B- Statistical Information

No. of students attending the course: No. 232 — **100 %**
No. of students completing the course: No. 229 — **99%**
Results:

	No.	%
Passed	163	71
Failed	66	29

Grading of successful students:

	No.	%
Excellent	5	2
Very Good	38	17
Good	73	32
Pass	47	21

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours	% of total
1. Periodic table	2	1	0	7.14%
2. Valence bond theory and its applications	2	1	0	7.14%
3. Molecular orbital theory and its applications	2	1	0	7.14%
4. General properties and chemistry of group I_A / 1 elements	2	1	0	7.14%
5. General properties and chemistry of group II_A / 2 elements	2	1	0	7.14%
6. General properties and chemistry of group III_A /13 elements	2	1	0	7.14%
7. Mid-term exam	2	1	0	7.14%
8. General properties and chemistry of group V_A /15 elements	2	1	0	7.14%
9. General properties and chemistry of group VI_A / 16 elements	2	1	0	7.14%
10. General properties and chemistry of group VII_A / 17 elements	2	1	0	7.14%
11. General properties and chemistry of group $VIII_A$ /18 elements	2	1	0	7.14%
12. Applications of main group elements part1	2	1	0	7.14%
13. Applications of main group elements part2	2	1	0	7.14%
14. Revision	2	1	0	7.14%
Total hours	**28**	14	**0**	**100%**

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Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [....]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a5	b1 to b3	c1 to C3	d1 to d4

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: Carrying out some chemical experiments in chemistry department lab.

Seminar/Workshop: Field work is still needed

Class activity:

Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3, b2, d1, d1 and d2	Fifth week	**5 %**
Mid-Term Exam	a1, a2, a3, a4, b1, and b2	Seventh week	**5 %**
Oral exam	a1, a2, a3, a4, b1, b2, b3,c2 , d4	fivteenth week	**10 %**
Written exam	a1, a2, a3, a4, b1, b2, b3.	sixteenth week	**80 %**
Total			**100 %**

Members of examination committee: Assist Prof. Dr. Mostafa Y. Nassar

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins

Inadequate

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s):

None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Deficiency of computer and Programs. Limited days of field training due to shortage of funding from the university. Purchasing more specific references and tools.	Head of the department and all course instructors	The course note is updated and the instructor helped in developing the practical course experiments

Action State whether or not completed and give reasons for any non-completion

None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date
Update Computer and design new program required to solve the problem under studies	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2016-2017

Course coordinator: Assist Prof. Dr. Mostafa Y. Nassar

Date: 2015-2016

Annual Course Report

2015-2016

A- Basic Information		
1- Title and code:	Electrochemistry (234 Ch)	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	2015-2016/Second level (undergraduate)	
4- Teaching hours	Lectures hrs. /week	2
	Tutorial hrs. /week	1
	Practical hrs. /week	0
	Total hrs. /week	3
4- Credit hours	Total credit hrs.	2

5- Names of lecturers contributing to the delivery of the course:	
Dr. Salah Ahmed Ibrahem Eid	
Course coordinator:	Dr. Salah Ahmed Ibrahem Eid
External evaluator:	None

B- Statistical Information

No. of students attending the course: **No.** 236 **100 %**

No. of students completing the course: **No.** 236 **100 %**

Results:

	No.	%
Passed	**213**	90
Failed	**23**	**10**

Grading of successful students:

	No.	%
Excellent	**44**	**19**
Very Good	**91**	**39**
Good	**65**	**28**

	Pass	13	6

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours	% of total
1. Introduction to electrochemistry.	2	1	0	7.14
2. Galvanic cell	2	1	0	7.14
3. E. M.F series	2	1	0	7.14
4. Types of electrode	2	1	0	7.14
5. Types of cell (part 1).	2	1	0	7.14
6. Types of cell (part 2).	2	1	0	7.14
7. Mid-Term Exam.	2	1	0	7.14
8. Fuel cell	2	1	0	7.14
9. Types of fuel cells	2	1	0	7.14
10. Potentiometry	2	1	0	7.14
11. Corrosion	2	1	0	7.14
12. Inhibition of corrosion	2	1	0	7.14
13. Prevention corrosion	2	1	0	7.14
14. Revision	2	1	0	7.14
Total hours	**28**	**14**	**0**	**100**

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [....]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a5	b1 to b4	c1 to C2	d1 to d4

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: Carrying out some chemical experiments in chemistry department lab.

Seminar/Workshop: Field work is still needed

Class activity: Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3, b1, b2, b3 c1, d1 and d3	Fifth week	**5 %**
Mid-Term Exam	a1, a2, a3, b1, b2, b3 , and d2	Seventh week	**5 %**
Oral exam	a1, a2, a3,a4, a5, b1, b2, b3, b4, d2 and d4	fifteenth week	**10 %**
Written exam	a1, a2, a3, a4, a5, b1, b2, b3, b4, b5.	sixteenth week	**80 %**
Total			**100 %**

Members of examination committee	Dr. Salah Ahmed Ibrahem Eid

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins

Inadequate

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s): None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Seminar and Brain storming for all stude participation of all students (groups) in performing seminar for definite parts of course followed by scientific evaluation performed by the course instructor.	Head of the department and all course instructors	Seminar and Brain storming performed for all students (in groups) and covered all course contents

Action State whether or not completed and give reasons for any non-completion

None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date
Development of student skills; participating of all students (in groups) in collecting (using international websites) some scientific parts supporting the basic contents of the course. Also, all these activities will be evaluated by the instructor of the	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2016-2017

course.		

Course coordinator: **Prof. Dr. Ahmed Shalaby**
Date: 2015-2016

Annual Course Report

2015-2016

A- Basic Information		
1- Title and code:	Analytical Chemistry (1) (242Ch)	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	2015-2016 /Second level. (undergraduate)	
4- Teaching hours	Lectures hrs. /week	2
	Tutorial hrs. /week	0
	Practical hrs. /week	3
	Total hrs. /week	5
4- Credit hours	Total credit hrs.	3

5- Names of lecturers contributing to the delivery of the course:

Dr. Mostafa Y. Nassar
Dr. Ayman A. Abdel Razik

Course coordinator:	**Dr. Mostafa Y. Nassar** **Dr. Ayman A. Abdel Razik**

External evaluator:	None

B- Statistical Information

No. of students attending the course: **No.** 247 **100 %**
No. of students completing the course: **No.** 247 **100%**
Results:

	No.	**%**
Passed	**242**	98
Failed	**5**	**2**

Grading of successful students:

	No.	**%**
Excellent	**37**	**15**
Very Good	**97**	39
Good	**89**	**36**

	Pass	**19**	**8**

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours	% of total
1. Introduction to analytical chemistry, quantitative chemical analysis and its principles	2	0	3	7.14%
2. Methods of expressing concentrations	2	0	3	7.14%
3. Equivalent weight, standard solution and its requirements.	2	0	3	7.14%
4. Acids bases titration 1	2	0	3	7.14%
5. Acids bases titration 2	2	0	3	7.14%
6. Theories of indicators used in acid-base titration	2	0	3	7.14%
7. Mid-term exam	2	0	3	7.14%
8. Precipitation titration	2	0	3	7.14%
9. Theories of indicators used in precipitation titration	2	0	3	7.14%
10. Complexometric titration and detect end point and requirements of indicator	2	0	3	7.14%
11. Introduction to gravimetric analysis and diffeerent types of Gravimetric Methods	2	0	3	7.14%
12. Study the different factors affecting the solubility product and the precipitation process	2	0	3	7.14%
13. Study different types of contamination	2	0	3	7.14%
14. Study different types of precipitant (organic and inorganic)	2	0	3	7.14%
Total hours	**28**	0	**42**	**100%**

4 - Teaching and Learning methods against course ILOS:

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [....]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a5	b1 to b4	c1 to C3	d1 to d4

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: Carrying out some chemical experiments in chemistry department lab.

Seminar/Workshop: Field work is still needed

Class activity:

Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3, a5, b2, and d1	Fifth week	**3 %**
Mid-Term Exam	a1, a2, a3, a4, b2, d1, and d2	Seventh week	**3%**
Oral exam	a1, a2, a3, a4, b1, b2, b3 and d4	fifteenth week	**6 %**
Practical exam	c1 to cx3	sixteenth week	**40%**
Written exam	a1, a2, a3, a4, b1, b2, and b3	seventeenth week	**48%**
Total			**100 %**

Members of examination committee

Dr. Mostafa Y. Nassar
Dr. Ayman A. Abdel Razik

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins

Inadequate

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s): None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action

Seminar and Brain storming for all stude participation of all students (groups) in performing seminar for definite parts of course followed by scientific evaluation performed by the course instructor.	Head of the department and all course instructors	Seminar and Brain storming performed for all students (in groups) and covered all course contents

Action State whether or not completed and give reasons for any non-completion

None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date
Development of student skills; participating of all students (in groups) in collecting (using international websites) some scientific parts supporting the basic contents of the course. Also, all these activities will be evaluated by the instructor of the course.	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2016-2017

Course coordinator: **Prof. Dr. Ahmed Shalaby**

Date: 2015-2016

Annual Course Report

2015-2016

A- Basic Information		
1- Title and code:	Green Chemistry and Environment (215Ch)	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	2015-2016 /Second level. (undergraduate)	
4- Teaching hours	Lectures hrs. /week	2
	Tutorial hrs. /week	0
	Practical hrs. /week	0
	Total hrs. /week	2
4- Credit hours	Total credit hrs.	2

5- Names of lecturers contributing to the delivery of the course:
Prof. Dr. Wagdy I. A. El-Dougdoug
Prof. Dr. Mohamed M. Azab
Prof. Dr. Ahmed Abd Al-Salam
Course coordinator:
Prof. Dr. Wagdy I. A. El-Dougdoug
Prof. Dr. Mohamed M. Azab
Prof. Dr. Ahmed Abd Al-Salam

External evaluator: None

B- Statistical Information

No. of students attending the course: **No.** 248 **100 %**

No. of students completing the course: **No.** 248 **100%**

Results:

	No.	%
Passed	**245**	99
Failed	**3**	**1**

Grading of successful students:

	No.	%
Excellent	**207**	**83**
Very Good	**32**	13
Good	**5**	**2**
Pass	**1**	**0**

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours	% of total
1. Introduction to green chemistry.	2	0	0	7.14%
2. Green Chemistry – Definition and Principles	2	0	0	7.14%
3. Atom Economy & yield%	2	0	0	7.14%
4. Organic Preparations : acetylation of primary amine (Preparation of acetanilide)-base catalyzed aldol condensation-(Synthesis of dibenzalpropanone)	2	0	0	7.14%
5. (Bromination of trans-stilbene) [4+2] cycloaddition reaction (Diels-Alder reaction between furan and maleic acid	2	0	0	7.14%
6. Electrophilic aromatic substitution reaction (Nitration of phenol).Electrophilic aromatic substitution reaction-II (Bromination of acetanilide)	2	0	0	7.14%
7. Mid-Term Exam.	2	0	0	7.14%
8. Rearrangement reaction (1): (Benzil - Benzilic acid rearrangement)-Pinacol-pinacolone rearrangement -(Preparation of benzopinacolone).	2	0	0	7.14%
9. Rearrangement reaction – (2) (Rearrangement of diazoamino benzene to p-aminoazobenzene) -radical coupling reaction -(Preparation of 1,1-bis-2-naphthol)	2	0	0	7.14%
10. Green photochemical reaction: -(Photoreduction of benzophenone to benzopinacol).	2	0	0	7.14%
11. Oxidation Reactions: green oxidation reaction (Synthesis of adipic acid)-Three component coupling (Synthesis of dihydropyrimidinone)	2	0	0	7.14%
12. Solvent-free reaction : (Microwave-assisted ammonium formate-mediated Knoevenagel reaction) Synthesis of Green Reagents (Tetrabutylammonium tribromide (TBATB) and its application)	2	0	0	7.14%
13. Alternative Green Procedure for Organic Qualitative Analysis: Detection of N, S, Cl, Br and I i) Use of zinc and sodium carbonate instead of metallic sod. ii) Novel use of salt of some organic acids in organic mixture analysis.	2	0	0	7.14%
14. Alternative Green Procedure for Derivative for Carboxylic Acids.	2	0	0	7.14%
Total hours	**28**	0	**0**	**100%**

Topics taught as a percentage of the content specified:

>90 % √ **70-90 %** ☐ **<70%** ....

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a5	b1 to b4	c1 to C2	d1 to d3

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: Carrying out some chemical experiments in chemistry department lab.

Seminar/Workshop: Field work is still needed

Class activity: Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3, b2, and d1	Fifth week	**5 %**
Mid-Term Exam	a1, a2, a3, a4, b2, d1, and d2	Seventh week	**5 %**
Oral exam	a1, a2, a3, a4, b1, b2, b3, . and d4	fifteenth week	**10 %**
Written exam	a1, a2, a3, a4,a5, b1, b2, b3.	sixteenth week	**80 %**
Total			**100 %**

Members of examination committee

Prof. Dr. Wagdy I. A. El-Dougdoug
Prof. Dr. Mohamed M. Azab
Prof. Dr. Ahmed Abd Al-Salam

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins

Inadequate

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s): None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Seminar and Brain storming for all stude participation of all students (groups) in performing seminar for definite parts of course followed by scientific evaluation performed by the course instructor.	Head of the department and all course instructors	Seminar and Brain storming performed for all students (in groups) and covered all course contents

Action State whether or not completed and give reasons for any non-completion

None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date
Development of student skills; participating of all students (in groups) in collecting (using international websites) some scientific parts supporting the basic contents of the course. Also, all these activities will be evaluated by the instructor of the course.	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2016-2017

Course coordinator: **Prof. Dr. Ahmed Shalaby**

Date: 2015-2016

Annual Course Report

2015-2016

A- Basic Information		
1- Title and code:	catalysis Technology (336 Ch)	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	2015-2016 /Second level. (undergraduate)	
4- Teaching hours	Lectures hrs. /week	2
	Tutorial hrs. /week	0
	Practical hrs. /week	0
	Total hrs. /week	2
4- Credit hours	Total credit hrs.	2

5- Names of lecturers contributing to the delivery of the course:
Prof. Dr. Mohamed M. Mokhtar
Dr. Abdel Azeem El sharkaoy
Dr. Mohamed Khairy Abdel Fattah
Course coordinator:
Prof. Dr. Mohamed M. Mokhtar
Dr. Abdel Azeem El sharkaoy
Dr. Mohamed Khairy Abdel Fattah

External evaluator: None

B- Statistical Information

No. of students attending the course: No. 11 **100 %**
No. of students completing the course: No. 11 **100%**
Results:

	No.	%	Grading of successful students:	
			No.	%
Passed	11	100		

Failed	**0**	**0**	**Excellent**	**3**	**27**
			Very Good	**3**	27
			Good	**4**	**36**
			Pass	**1**	**9**

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours	% of total
1. Introduction to catalysis.	2	0	0	7.14%
2. Properties of catalyst	2	0	0	7.14%
3. Preparation methods of catalyst	2	0	0	7.14%
4. Components of catalyst part (1)	2	0	0	7.14%
5. Components of catalyst part (2)	2	0	0	7.14%
6. Characterization tools for catalyst	2	0	0	7.14%
7. Mid-Term Exam.	2	0	0	7.14%
8. Determination of acidity, active sites.	2	0	0	7.14%
9. Determination of surface area, total surface area, microporosity, pore volume and pore radius.	2	0	0	7.14%
10. Recycling processes of catalyst.	2	0	0	7.14%
11. The modification of catalyst part (1)	2	0	0	7.14%
12. The modification of catalyst part (1)	2	0	0	7.14%
13. Photocatalysis, principles and explanations.	2	0	0	7.14%
14. Revision	2	0	0	7.14%
Total hours	**28**	0	**0**	**100%**

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [....]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a5	b1 to b4	c1 to C2	d1 to d4

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: Carrying out some chemical experiments in chemistry department lab.

Seminar/Workshop: Field work is still needed

Class activity:

Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3, b2, and d1	Fifth week	**5 %**
Mid-Term Exam	a1, a2, a3, a4, b2, d1, and d2	Seventh week	**5 %**
Oral exam	a1, a2, a3, a4, b1, b2, b3, c1,and d4	Thirteenth week	**10 %**
Written exam	a1, a2, a3, a4, b1, b2, b3.	Fourteenth week	**80 %**
Total			**100 %**

Members of examination committee

Prof. Dr. Mohamed M. Mokhtar
Dr. Abdel Azeem El sharkaoy
Dr. Mohamed Khairy Abdel Fattah

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins

Inadequate

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s): None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Seminar and Brain storming for all stude participation of all students (groups) in performing seminar for definite parts of course followed by scientific evaluation performed by the course instructor.	Head of the department and all course instructors	Seminar and Brain storming performed for all students (in groups) and covered all course contents

Action State whether or not completed and give reasons for any non-completion

None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date
Development of student skills; participating of all students (in groups) in collecting (using international websites) some scientific parts supporting the basic contents of the course. Also, all these activities will be evaluated by the instructor of the course.	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2016-2017

Course coordinator: **Prof. Dr. Ahmed Shalaby**

Date: 2015-2016

Annual Course Report

2015-2016

A- Basic Information		
1- Title and code:	311 Ch: Organic reaction mechanism (2)	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	2015-2016 / B.Sc. (undergraduate)	
4- Teaching hours	Lectures hrs. /week	3
	Tutorial hrs. /week	0
	Practical hrs. /week	3
	Total hrs. /week	6
4- Credit hours	Total credit hrs.	3

5- Names of lecturers contributing to the delivery of the course: Dr. Mohamed Sayed Behalo

Course coordinator: Dr. Mohamed Sayed Behalo
External evaluator: None

B- Statistical Information

No. of students attending the course: **No. 242** **100 %**
No. of students completing the course: **No. 242** **100 %**
Results:

	No.	%
Passed	215	89
Failed	27	11

Grading of successful students:

	No.	%
Excellent	4	2
Very Good	25	10
Good	53	22
Pass	133	55

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours
1. Introduction to organic reaction mechanism	3	0	3
2. Unimolecular nucleophilic substitution at	3	0	3
3. Bimolecular nucleophilic substitution at	3	0	3
4. Nucleophilic substitution at unsaturated	3	0	3
5. Electrophilic substitution reactions	3	0	3
6. Addition reactions to carbonyl compounds	3	0	3
7. Mid-term Exam	3		3
8. Addition reactions to alkenes and nitriles	3	0	3
9. Pericyclic addition reactions	3	0	3
10. Elimination reactions (α, β, γ- elimination)	3	0	3
11. Elimination reactions (E1, E2- elimination)	3	0	3
12. Molecular rearrangements	3	0	3
13. Nonkinetic methods for the elucidation of	3	0	3
14. Revision	3	0	3
Total hours	42	0	42

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [….]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a6	b1 to b4	c1 to C3	d1 to d4

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: Carrying out some chemical experiments in chemistry department lab.

Seminar/Workshop: Field work is still needed

Class activity: Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools:	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3, a5, b3, b4and d1	Fifth week	3 %

Mid-Term Exam	a1, a2, a3, a5, a6, b1.	Seventh week	3 %
Oral exam	a1, a2, a3, a4, b1, b2, b4, .d3,	fifteenth week	6 %
Practical exam	C1 to c3	sixteenth week	40%
Written exam	a1, a2, a3, a4, b1, b2, b3.	seventeenth week	48 %
Total			100 %

Members of examination committee:

Dr. Mohamed Sayed Behalo

Role of external evaluator

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins

Inadequate

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s): None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Seminar and Brain storming for all stude participation of all students (groups) in performing seminar for definite parts of course followed by scientific evaluation performed by the course instructor.	Head of the department and all course instructors	Seminar and Brain storming performed for all students (in groups) and covered all course contents

Action State whether or not completed and give reasons for any non-completion

None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date
Development of student skills; participating of all students (in groups) in collecting (using international websites) some scientific parts supporting the basic contents of the course. Also, all these activities will be evaluated by the instructor of the course.	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2016-2017

Course coordinator: **Prof. Dr. Ahmed Shalaby**

Date: 2015-2016

Annual Course Report

2015-2016

A- Basic Information		
1- Title and code:	Insecticides and toxins chemistry 313Ch	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	2015-2016 / B.Sc. (undergraduate)	
4- Teaching hours	Lectures hrs. /week	2
	Tutorial hrs. /week	0
	Practical hrs. /week	0
	Total hrs. /week	2
4- Credit hours	Total credit hrs.	2

5- Names of lecturers contributing to the delivery of the course:

Prof. Ali Abdelmaboud Ali

Dr. Mohamed Sayed Behalo

Course coordinator:	**Prof. Ali Abdelmaboud Ali**
	Dr. Mohamed Sayed Behalo
External evaluator: None	

B- Statistical Information

No. of students attending the course: **No. 186** **100 %**
No. of students completing the course: **No. 186** **100 %**
Results:

	No.	%
Passed	**170**	**91**
Failed	**16**	**9**

Grading of successful students:

	No.	%
Excellent	**34**	**18**
Very Good	**41**	**22**
Good	**45**	**24**
Pass	**40**	**22**

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours
Introduction to insecticides and toxins	2	0	0
Classification of insecticides	2	0	0
Toxicity of organic compounds	2	0	0
Synthesis of DDT	2	0	0
properties of DDT	2	0	
Organic sulfur compounds	2	0	0
Organic nitrogen compounds	2	0	0
Mid-term exam	2	0	0
Organic phosphorous compounds	2	0	0
Chloro derivatives	2	0	0
Carbamate insecticides	2	0	0
Natural insecticides	2	0	0

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [….]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a6	b1 to b4	c1 to C2	d1 to d4

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: None

Seminar/Workshop: Field work is still needed

Class activity: Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools:	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3, a5, b3, b4, and	Fifth week	5 %
Mid-Term	a1, a2, a3, a5, a6, b1, d1,	Seventh week	5 %
Oral exam	a1, a2, a3, a4, b1, b2, b4,	fifteenth week	10 %
Written exam	a1, a2, a3, a4, b1, b2,	Sixteenth week	80 %
Total			100 %

Members of examination committee:

Prof. Ali Abdelmaboud Ali
Dr. Mohamed Sayed Behalo

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins

Inadequate

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s):

None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Seminar and Brain storming for all stude participation of all students (groups) in performing seminar for definite parts of course followed by scientific evaluation performed by the course instructor.	Head of the department and all course instructors	Seminar and Brain storming performed for all students (in groups) and covered all course contents

Action State whether or not completed and give reasons for any non-completion

None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date
Development of student skills; participating of all students (in groups) in collecting (using international websites) some scientific parts supporting the basic contents of the course. Also, all these activities will be evaluated by the instructor of the course.	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2016-2017

Course coordinator: **Prof. Dr. Ahmed Shalaby**

Date: 2015-2016

Annual Course Report

2015-2016

A- Basic Information		
1- Title and code:	**Chemistry of counterfeiting and forgery** (321 Ch)	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	2015-2016 / B.Sc. (undergraduate)	
4- Teaching hours	Lectures hrs. /week	2
	Tutorial hrs. /week	0
	Practical hrs. /week	2
	Total hrs. /week	4
4- Credit hours	Total credit hrs.	3

5- Names of lecturers contributing to the delivery of the course: **Prof. Dr. Gamal Ewies**

Course coordinator:	Prof. Dr. Gamal Ewies
External evaluator: None	

B- Statistical Information

No. of students attending the course: **No. 204** **100 %**
No. of students completing the course: **No. 204** **100 %**
Results:

	No.	%
Passed	204	100
Failed	0	0

Grading of successful students:

	No.	%
Excellent	109	53
Very Good	88	43
Good	5	2
Pass	2	1

C- Professional Information

1 – Course teaching

Topic	Lecture	Tutorial	Practical
1. General methods of counterfeiting	2	0	2
2. Different types of inks, secret inks and	2	0	2
3. Different types of inks, secret inks and	2	0	2
4. Method of protection used in the	2	0	2
5. Security features included in the	2	0	2
6. Printing used in the value-documents	2	0	2
7. Mid-Term Exam.	2	0	2
8. Different types of both of Fingerprint	2	0	2
9. Different types of both of Fingerprint	2	0	2
10. Different methods of raising and	2	0	2
11. Different methods of raising and	2	0	2
12. Examination of DNA and their	2	0	2
13. Role of some instrumental devices	2	0	2
14. Role of some instrumental devices	2	0	2
Total hours	28	0	28

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [….]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a5	b1 to b3	c1 to C2	d1 to d4

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: Carrying out some chemical experiments in chemistry department lab.

Seminar/Workshop: Field work is still needed

Class activity: Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools:	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3, b2, and d1	Fifth week	5 %
Mid-Term Exam	a1, a2, a3, a4, b2, d1, and d2	Seventh week	5 %
Oral exam	a1, a2, a3, a4, b1, b2, b3 and d4	fifteenth week	10 %
Written exam	a1, a2, a3, a4, b1, b2, b3,	Sixteenth week	80 %
Total			100 %

Members of examination committee: **Prof. Dr. Gamal Ewies**

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins

Inadequate

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s):

None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Deficiency of computer and Programs. Limited days of field training due to shortage of funding from the university. Purchasing more specific references and tools.	Head of the department and all course instructors	The course note is updated and the instructor helped in developing the practical course experiments

Action State whether or not completed and give reasons for any non-completion Non

9- Action plan for academic year 2016-2017

Actions required	Person responsible	Completion date
Update Computer and design new program required to solve the problem under studies	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2016-2017

Course coordinator: **Prof. Dr. Gamal Ewies**

Date: **2015-2016**

Annual Course Report

2015-2016

A- Basic Information		
1- Title and code:	Transition elements & Coordination Chemistry (323 Ch)	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	2015-2016 / B.Sc. (undergraduate)	
4- Teaching hours	Lectures hrs. /week	2
	Tutorial hrs. /week	0
	Practical hrs. /week	0
	Total hrs. /week	2
4- Credit hours	Total credit hrs.	2

5- Names of lecturers contributing to the delivery of the course:

Prof. Dr. Moustafa E Moustafa
Prof. Dr. Ibrahim S. Ahmed
Prof. Dr. Sayed A. Shama
Dr. Mostafa Y. Nassar **Course coordinator: Assist. Prof Dr. Mostafa Y. Nassar**

External evaluator: None

B- Statistical Information

No. of students attending the course: **No. 196** **100 %**
No. of students completing the course: **No. 196** **100 %**
Results:

	No.	%
Passed	**166**	85
Failed	**30**	**15**

Grading of successful students:

	No.	%
Excellent	**5**	**3**
Very Good	**37**	**19**
Good	**52**	**27**
Pass	**72**	**37**

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours
1. Introduction to transition metal complexes including Werner theory.	2	0	0
2. Nomenclature of coordination compounds.	2	0	0
3. Isomerism of coordination compounds.	2	0	0
4. Valence bond theory.	2	0	0
5. Crystal field theory.	2	0	0
6. Magnetism and color and Molecular orbital theory.	2	0	0
7. Mid-Term Exam.	2	0	0
8. General properties of groups 3 and 4	2	0	0
9. General properties of groups 5 and 6	2	0	0
10. General properties of groups 7 and 8	2	0	0
11. General properties of groups 9 and 10	2	0	0
12. General properties of group 11 and 10	2	0	0
13. General properties of group 11 and 10	2	0	0
14. Revision	2	0	0
Total hours	28	0	0

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [….]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a5	b1 to b3	c1 to C2	d1 to d4

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: None

Seminar/Workshop: Field work is still needed

Class activity: Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools:	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3, b2, and d1	Fifth week	5 %
Mid-Term Exam	a1, a2, a3, a4, b2, d1, and d2	Seventh week	5 %
Oral exam	a1, a2, a3, a4, b1, b2, b3, and d4	Fifteenth week	10 %
Written exam	a1, a2, a3, a4, b1, b2, b3.	sixteenth week	80 %
Total			100 %

Members of examination committee: **Prof. Dr. Moustafa E Moustafa**
Prof. Dr. Ibrahim S. Ahmed
Prof. Dr. Sayed A. Shama
Dr. Mostafa Y. Nassar

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins

Inadequate

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s):

None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Seminar and Brain storming for all stude participation of all students (groups) in performing seminar for definite parts of course followed by scientific evaluation performed by the course instructor.	Head of the department and all course instructors	Seminar and Brain storming performed for all students (in groups) and covered all course contents

Action State whether or not completed and give reasons for any non-completion

None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date
Development of student skills; participating of all students (in groups) in collecting (using international websites) some scientific parts supporting the basic contents of the	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2016-2017

course. Also, all these activities will be evaluated by the instructor of the course.		

Course coordinator: **Prof. Dr. Ahmed Shalaby**
Date: 2015-2016

Annual Course Report
2015-2016

A- Basic Information		
1- Title and code:	Irreversible electrochemistry (330 Ch)	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	2015-2016 / B.Sc. (undergraduate)	
4- Teaching hours	Lectures hrs. /week	2
	Tutorial hrs. /week	0
	Practical hrs. /week	0
	Total hrs. /week	2
4- Credit hours	Total credit hrs.	2

5- Names of lecturers contributing to the delivery of the course: **Dr. Salah Ahmed Ibrahem Eid**

Course coordinator: Dr. Salah Ahmed Ibrahem Eid

External evaluator: None

B- Statistical Information

No. of students attending the course: **No. 224** **100 %**
No. of students completing the course: **No. 244** **100 %**
Results:

	No.	%
Passed	**213**	95
Failed	**11**	**5**

Grading of successful students:

	No.	%
Excellent	**30**	**13**
Very Good	**78**	**35**
Good	**59**	**26**
Pass	**46**	**21**

C- Professional Information

1 – Course teaching

1. Introduction to electrochemistry.	2	0	0
2. Faraday 's laws	2	0	0
3. Kinetics of electrode reaction	2	0	0
4. Types of polarization	2	0	0
5. Hydrogen and oxygen evolution	2	0	0
6. Types of double layer	2	0	0
7. Mid-Term Exam.	2	0	0
8. Electroplating part (1)	2	0	0
9. Electroplating part (2)	2	0	0
10.Batteries (part 1)	2	0	0
11.Batteries (part 2)	2	0	0
12.Polarography part (1)	2	0	0
13.Polarography part (2)	2	0	0
14.Revision	2	0	0
Total hours	**24**	0	0

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [….]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a5	b1 to b4	c1 to C2	d1 to d4

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: None

Seminar/Workshop: Field work is still needed

Class activity: Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools:	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3, b1, b2, b3 c1, d1 and d3	Fifth week	5 %
Mid-Term Exam	a1, a2, a3, b1, b2, b3 , and d2	Seventh week	5 %
Oral exam	a1, a2, a3,a4, a5, b1, b2, b3, b4, d2 and d4	Thirteenth week	10 %
Written exam	a1, a2, a3, a4, a5, b1, b2, b3, b4, b5, and d2	Fourteenth week	80 %
Total			100 %

Members of examination committee:

Dr. Salah Ahmed Ibrahem Eid

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins **Inadequate**

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s):

None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Deficiency of computer and Programs. Limited days of field training due to shortage of funding from the university. Purchasing more specific references and tools.	Head of the department and all course instructors	The course note is updated and the instructor helped in developing the practical course experiments

Action State whether or not completed and give reasons for any non-completion

None

9- Action plan for academic year 2016-2017

Actions required	Person responsible	Completion date
Update Computer and design new program required to solve the problem under studies	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2016-2017

Course coordinator Dr. Salah Ahmed Ibrahem Eid

Date: 2015-2016

Annual Course Report

2015-2016

A- Basic Information		
1- Title and code:	331 Ch: Kinetics & Photochemistry Chemistry	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	2015-2016 / B.Sc. (undergraduate)	
4- Teaching hours	Lectures hrs. /week	2
	Tutorial hrs. /week	0
	Practical hrs. /week	3
	Total hrs. /week	5
4- Credit hours	Total credit hrs.	3

5- Names of lecturers contributing to the delivery of the course:

Dr. Abd El-Azyme El-Sharkawy
Dr. Wafaa Abdallah Bayumy
Dr. Safenaz Mohamed Reda

Course coordinator: **Dr. Abd El-Azyme El-Sharkawy**
Dr. Wafaa Abdallah Bayumy
Dr. Safenaz Mohamed Reda

External evaluator: None

B- Statistical Information

No. of students attending the course: **No. 232** **100 %**
No. of students completing the course: **No. 232** **100 %**
Results:

	No.	%
Passed	232	100
Failed	0	0

Grading of successful students:

	No.	%
Excellent	44	19
Very Good	95	41
Good	70	30
Pass	23	10

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours
1. Introduction to principle of chemical kinetics and photochemical reactions	2	0	3
2. Definition of rate of reactions and laws of photochemical reactions.	2	0	3
3. a) Factors affecting on rate of reactions b) Quantum efficiency.	2	0	3
4. a)Rate laws b) Factor affecting on quantum yield.	2	0	3
5. a)Kinetics laws (Zero, first, second). b) Experimental determination of quantum yield.	2	0	3
6. a)Kinetics laws (third, higher). b) Experimental determination of	2	0	3
7. Mid-Term Exam.	2	0	3
8. a)Kinetics laws(fractional, second). b) High and low quantum yields.	2	0	3
9. a)Methods of determination of order of reactions(half- life time, graphical	2	0	3
10. Theories for rate of reactions (Arrhenius equation and significance of	2	0	3
11. Mechanism of chain reactions.	2	0	3
12. Kinetics of complex reactions and photochemical reactions	2	0	3
13. Steady state treatment to some photo-reactions.	2	0	3
14. Kinetics of thermal reactions.	2	0	3
Total hours	24	0	36

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [....]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a4	b1 to b6	c1 to C4	d1 to d4

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: Carrying out some chemical experiments in chemistry department lab.

Seminar/Workshop: Field work is still needed

Class activity:

Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools:	To Measure	Time schedule	Grading
Mid-Term Exam	a1, a2, b3,b4, d1, d3 and d4	Seventh week	6%
Oral exam	a2, b2, d1, d2 ,d3 and d4	Twelfth week	6%
Practical exam	c1 to c5	Thirteenth week	40 %
Written exam	a1, a2, a4, b1,b3,b4, d1, d3 and d4	Fourteenth week	48%
Total			100 %

Members of examination committee:

Dr. Abd El-Azyme El-Sharkawy

Dr. Wafaa Abdallah Bayumy

Dr. Safenaz Mohamed Reda

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins

Inadequate

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s):

None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Seminar and Brain storming for all stude participation of all students (groups) in performing seminar for definite parts of course followed by scientific evaluation performed by the course instructor.	Head of the department and all course instructors	Seminar and Brain storming performed for all students (in groups) and covered all course contents

Action State whether or not completed and give reasons for any non-completion

None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date
Development of student skills; participating of all students (in groups) in collecting (using international websites) some scientific parts supporting the basic contents of the course. Also, all these activities will be evaluated by the instructor of the course.	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2016-2017

Course coordinator: **Prof. Dr. Ahmed Shalaby**

Date: 2015-2016

Annual Course Report

2015-2016

A- Basic Information		
1- Title and code:	337 Ch: Applied electrochemistry (1)	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	2015-2016 / B.Sc. (undergraduate)	
4- Teaching hours	Lectures hrs. /week	2
	Tutorial hrs. /week	0
	Practical hrs. /week	3
	Total hrs. /week	5
4- Credit hours	Total credit hrs.	3

5- Names of lecturers contributing to the delivery of the course:

Dr. Salah Ahmed Ibrahem Eiddy

Course coordinator: Dr. Salah Ahmed Ibrahem Eiddy

External evaluator: None

B- Statistical Information

No. of students attending the course: **No. 3** **100 %**
No. of students completing the course: **No. 3** **100 %**
Results:

	No.	%
Passed	**3**	100
Failed	**0**	**0**

Grading of successful students:

	No.	%
Excellent	**3**	**100**
Very Good	**0**	**0**
Good	**0**	**0**
Pass	**0**	**0**

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours
1. Introduction on electrochemistry and	2	0	3
2. Electroplating and farady 's law	2	0	3
3. Definations and Importance of	2	0	3
4. Thermodynamics of corrosion	2	0	3
5. Kinitics of corrosion	2	0	3
6. Mixed potential theory	2	0	3
7. Mid-Term Exam.	2	0	3
8. Passivety	2	0	3
9. Types of corrosion (part 1).	2	0	3
10. Types of corrosion (part 2).	2	0	3
11. Prevention Corrosion (part1).	2	0	3
12. Prevention Corrosion (part2).	2	0	3
13. Kinitics of inhibition.	2	0	3
14. Revision	2	0	3
Total hours	28	0	42

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [….]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a5	b1 to b4	c1 to C2	d1 to d4

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: Carrying out some chemical experiments in chemistry department lab.

Seminar/Workshop: Field work is still needed

Class activity:

Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools:	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3, b1, b2, b3 c1, d1 and d3	Fifth week	3 %
Mid-Term Exam	a1, a2, a3, b1, b2, b3 and d2	Seventh week	3%

Oral exam	a1, a2, a3,a4, a5, b1, b2, b3, b4, d2 and d4	fifteenth week	6%
Practical Exam	C1 and C2	Sixteenth week	40%
Written exam	a1, a2, a3, a4, a5, b1, b2, b3, b4, b5.	seventeenth week	48 %
Total			100 %

Members of examination committee:

Dr. Salah Ahmed Ibrahem Eiddy

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins **Inadequate**

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s):

None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Seminar and Brain storming for all stude participation of all students (groups) in performing seminar for definite parts of course followed by scientific evaluation performed by the course instructor.	Head of the department and all course instructors	Seminar and Brain storming performed for all students (in groups) and covered all course contents

Action State whether or not completed and give reasons for any non-completion

None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date
Development of student skills; participating of all students (in groups) in collecting (using international websites) some scientific parts supporting the basic contents of the course. Also, all these activities will be evaluated by the instructor of the course.	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2016-2017

Course coordinator: **Prof. Dr. Ahmed Shalaby**

Date: 2015-2016

Annual Course Report

2015-2016

A- Basic Information		
1- Title and code:	314 Ch: Organic Spectroscopy (2)	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	2015-2016 / B.Sc. (undergraduate)	
4- Teaching hours	Lectures hrs. /week	2
	Tutorial hrs. /week	1
	Practical hrs. /week	0
	Total hrs. /week	3
4- Credit hours	Total credit hrs.	2

5- Names of lecturers contributing to the delivery of the course:

Dr. Bahaa El-Dien M. El-Gendy

Course coordinator: **Dr. Bahaa El-Dien M. El-Gendy**

External evaluator: None

B- Statistical Information

No. of students attending the course: **No. 238** **100 %**
No. of students completing the course: **No. 238** **100 %**
Results:

	No.	%
Passed	**199**	**84**
Failed	**39**	**16**

Grading of successful students:

	No.	%
Excellent	**12**	**5**
Very Good	**41**	**17**
Good	**54**	**23**
Pass	**92**	**39**

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours
1. Introduction to NMR and Mass	2	1	0
2. Theory of Nuclear Magnetic Resonance and	2	1	0
3. The NMR Spectrometer and the Chemical	2	1	0
4. The number of Signals, Areas of the Peaks,	2	1	0
5. Stereochemical Nonequivalence of protons	2	1	0
6. Carbon-13 NMR Spectroscopy.	2	1	0
7. Mid-Term Exam.	2	1	0
8. Introduction to Mass Spectrometry.	2	1	0
9. Determination of the Molecular Formula by	2	1	0
10. Different Ionization Methods of Mass	2	1	0
11. Different Ionization Methods of Mass	2	1	0
12. Fragmentation Patterns in Mass	2	1	0
13. Applications of Mass Spectrometry in	2	1	0
14. Revision	2	1	0
Total hours	**28**	14	0

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [….]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a8	b1 to b5	c1 to C4	d1 to d4

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: None

Seminar/Workshop: Field work is still needed

Class activity: Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools:	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3, b2, c1 and d1	Fifth week	5 %
Mid-Term	a1, a2, a3, a7, b1, and b2	Seventh week	5 %

Oral exam	a1, a2, a3, a4, a5, a6, a7, a8, b1, b2, b3, b4, and b5	Fifteenth week	10 %
Written exam	a1, a2, a3, a4, a5, a6, a7, a8, b1, b2, b3, b4, b5.	Sixteenth week	80 %
Total			100 %

Members of examination committee:
Prof. Ali Abdelmaboud Ali
Dr. Mohamed Sayed Behalo
Role of external evaluator None

4- Facilities and teaching materials:
Totally adequate
Adequate to some extent: Microphones functionality should be checked before semester begins **Inadequate**
List any inadequacies: None

5- Administrative constraints
List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s):
None

8- Course enhancement:
Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Seminar and Brain storming for all stude participation of all students (groups) in performing seminar for definite parts of course followed by scientific evaluation performed by the course instructor.	Head of the department and all course instructors	Seminar and Brain storming performed for all students (in groups) and covered all course contents

Action State whether or not completed and give reasons for any non-completion
None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date
Development of student skills; participating of all students (in groups) in collecting (using international websites) some scientific parts supporting the basic contents of the course. Also, all these activities will be evaluated by the instructor of the course.	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2016-2017

Course coordinator: **Prof. Dr. Ahmed Shalaby**
Date: 2015-2016

Annual Course Report
2015-2016

A- Basic Information		
1- Title and code:	316 Ch: Natural products and Carbohydrates Chemistry	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	2015-2016 / B.Sc. (undergraduate)	
4- Teaching hours	Lectures hrs. /week	2
	Tutorial hrs. /week	0
	Practical hrs. /week	3
	Total hrs. /week	5
4- Credit hours	Total credit hrs.	3

5- Names of lecturers contributing to the delivery of the course:

Prof. Dr. Wagdy El-dougdoug

Course coordinator: Prof. Dr. Wagdy El-dougdoug

External evaluator: None

B- Statistical Information

No. of students attending the course: **No. 247** **100 %**
No. of students completing the course: **No. 247** **100 %**
Results:

	No.	%
Passed	**247**	100
Failed	**0**	**0**

Grading of successful students:

	No.	%
Excellent	**58**	**23**
Very Good	**122**	**49**
Good	**57**	**23**
Pass	**10**	**4**

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours
1. Introduction to carbohydrates and its categories.	2	0	3
2. Stereo forms (D, L) of Aldoses and Hexoses.	2	0	3
3. Reactions of Monosacharides.	2	0	3
4. Sterio chemistry of glucose.	2	0	3
5. Cyclic structures of Monosacharides.	2	0	3
6. Formation of glycosides.	2	0	3
7. Mid-Term Exam.	2	0	3
8. Disacharides.	2	0	3
9. Polysacharides.	2	0	3
10. Alkaloids and Terpenes chemistry.	2	0	3
11. Chemical catogery of Alkaloids.	2	0	3
12. Terpenes	2	0	3
13. Chemical and physical composition of Alkaloids and Terpenes.	2	0	3
14. Preparation methods of Alkaloids and Terpenes.	2	0	3
Total hours	**28**	0	**42**

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [….]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a5	b1 to b3	c1 to C2	d1 to d3

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: Carrying out some chemical experiments in chemistry department lab.

Seminar/Workshop: Field work is still needed

Class activity: Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools:	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3, b2 and d1	Fifth week	5 %
Mid-Term Exam	a1, a2, a3, a4, b2 and d1	Seventh week	5 %
Oral exam	a1, a2, a3, a4, b1, b2, b3.	fifteenth week	10 %
Written exam	a1, a2, a3, a4, a5, b1, b2, b3.	Sixteenth week	80 %
Total			100 %

Members of examination committee:

Prof. Dr. Wagdy El-dougdoug

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins

Inadequate

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s):

None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Deficiency of computer and Programs. Limited days of field training due to shortage of funding from the university. Purchasing more specific references and tools.	Head of the department and all course instructors	The course note is updated and the instructor helped in developing the practical course experiments

Action State whether or not completed and give reasons for any non-completion

None

9- Action plan for academic year 2016-2017

Actions required	Person responsible	Completion date
Update Computer and design new program required to solve the problem under studies	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2016-2017

Course coordinator: Prof. Dr. Wagdy El-dougdoug

Date: 2015-2016

Annual Course Report

2015-2016

A- Basic Information		
1- Title and code:	318Ch: Chemotherapy	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	2015-2016 / B.Sc. (undergraduate)	
4- Teaching hours	Lectures hrs. /week	2
	Tutorial hrs. /week	0
	Practical hrs. /week	0
	Total hrs. /week	2
4- Credit hours	Total credit hrs.	2

5- Names of lecturers contributing to the delivery of the course:

Prof. Ali Abdelmaboud Ali

Dr. Hany Ibrahim Mohamed

Course coordinator: Prof. Ali Abdelmaboud Ali
Dr. Hany Ibrahim Mohamed

External evaluator: None

B- Statistical Information

No. of students attending the course: **No. 100** **100 %**
No. of students completing the course: **No. 100** **100 %**
Results:

	No.	%
Passed	96	96
Failed	4	4

Grading of successful students:

	No.	%
Excellent	38	38
Very Good	19	19
Good	22	22
Pass	17	17

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours
1. Introduction to chemotherapy	2	0	0
2. Antimetabolites (Sulfa drugs)	2	0	0
3. Mode of action of sulfa drugs	2	0	0
4. Antimalarial drugs: Part one	2	0	0
5. Antimalarial drugs: Part two	2	0	0
6. Mode of action of antimalarials	2	0	0
7. Mid-term exam	2	0	0
8. Beta-lactam antibiotics	2	0	0
9. Mode of action of beta-lactam antibiotics	2	0	0
10. Non-beta-lactam antibiotics part (1)	2	0	0
11. Non-beta-lactam antibiotics part (2)			
12. Mode of action of non-beta-lactam antibiotics part (1)	2	0	0
13. Mode of action of non-beta-lactam antibiotics part (2)	2	0	0
14. Revision	2	0	0
Total hours	**28**	0	0

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [….]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a6	b1 to b4	c1 to C2	d1 to d2

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: None.

Seminar/Workshop: Field work is still needed

Class activity: Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools:	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3, b1, b2 and c1	Fifth week	5 %

Mid-Term Exam	a1, a2, a3, a4, a5, b1, b2, b3 and d1	Seventh week	5 %
Oral exam	a1, a2, a3, a4, a5, a6, b1, b2, b3, b4 and d1	fifteenth week	10 %
Written exam	a1, a2, a3, a4, a5, a6, b1, b2, b3, b4.	Sixteenth week week	80 %
Total			100 %

Members of examination committee:

Prof. Ali Abdelmaboud Ali
Dr. Hany Ibrahim Mohamed

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins **Inadequate**

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s):

None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Deficiency of computer and Programs. Limited days of field training due to shortage of funding from the university. Purchasing more specific references and tools.	Head of the department and all course instructors	The course note is updated and the instructor helped in developing the practical course experiments

Action State whether or not completed and give reasons for any non-completion Non

9- Action plan for academic year 2016-2017

Actions required	Person responsible	Completion date
Update Computer and design new program required to solve the problem under studies	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2016-2017

Course coordinator: **Prof. Ali Abdelmaboud Ali**
Dr. Hany Ibrahim Mohamed

Date: **2015-2016**

Annual Course Report

2015-2016

A- Basic Information	

1- Title and code:	320 Ch: Inorganic chemistry and its application	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	2015-2016 / B.Sc. (undergraduate)	
4- Teaching hours	Lectures hrs. /week	2
	Tutorial hrs. /week	0
	Practical hrs. /week	2
	Total hrs. /week	4
4- Credit hours	Total credit hrs.	3

5- Names of lecturers contributing to the delivery of the course:

Ass. Prof. Dr. Mostafa Y. Nassar
Dr. Ayman Awad Ali Abdel Razik

Course coordinator: **Ass. Prof. Dr. Mostafa Y. Nassar**
Dr. Ayman Awad Ali Abdel Razik

External evaluator: None

B- Statistical Information

No. of students attending the course: **No 156** **100 %**
No. of students completing the course: **No. 156** **100 %**
Results:

	No.	%
Passed	**156**	**100**
Failed	**0**	**0**

Grading of successful students:

	No.	%
Excellent	**81**	**52**
Very Good	**67**	**43**
Good	**7**	**4**
Pass	**1**	**1**

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours
1. Introduction in inorganic chemistry	2	0	2
2. Different symmetry operations and elements.	2	0	2
3. Rotation, Reflection and Inversion operation for different inorganic and	2	0	2
4. Introduction to different methods of the preparation of inorganic materials and	2	0	2
5. The preparation of inorganic materials using solid state method	2	0	2
6. The preparation of inorganic materials using coprecipitation, emulsion	2	0	2
7. Mid -term exam	2	0	2
8. The preparation of inorganic materials using hydrothermal method	2	0	2
9. The preparation of inorganic materials using combustion, citrate methods	2	0	2
10. Optical and Electron microscopies technique and different application in	2	0	2
11. IR and Raman spectroscopies and different application in inorganic	2	0	2
12. NMR and ESR spectroscopies and different application in inorganic	2	0	2
13. Application of inorganic compds in different fields (1)	2	0	2
14. Application of inorganic compds in different fields (2)	2	0	2
Total hours	28	0	28

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [….]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a5	b1 to b3	c1 to C4	d1 to d4

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: Carrying out some chemical experiments in chemistry department lab.

Seminar/Workshop: Field work is still needed
Class activity:
Using computer and data show during discussion
Case Study: None
Other assignments/homework: weekly assignments
If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools:	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3, b2, c1, d2, d3, and d1	Fifth week	3 %
Mid-Term Exam	a1, a2, a3, b2, d1, c4 and d2	Seventh week	3 %
Oral exam	a1, a2, a3, a4, b1, b2, b3, and d4	fifteenth week	6 %
Practical exam	C1 to C4	Sixteenth week	40%
Written exam	a1, a2, a3, a4,a5, b1, b2, b3, and d1	seventeenth week	48 %
Total			100 %

Members of examination committee:

Ass. Prof. Dr. Mostafa Y. Nassar
Dr. Ayman Awad Ali Abdel Razik

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate
Adequate to some extent: Microphones functionality should be checked before semester begins
Inadequate
List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s):

None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Seminar and Brain storming for all stude participation of all students (groups) in performing seminar for definite parts of course followed by scientific evaluation performed by the course instructor.	Head of the department and all course instructors	Seminar and Brain storming performed for all students (in groups) and covered all course contents

Action State whether or not completed and give reasons for any non-completion

None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date
Development of student skills; participating of all students (in groups) in collecting (using international websites) some scientific parts supporting the basic contents of the course. Also, all these activities will be evaluated by the instructor of the course.	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2016-2017

Course coordinator: **Prof. Dr. Ahmed Shalaby**

Date: 2015-2016

Annual Course Report

2015-2016

A- Basic Information	

1- Title and code:	338 Ch: Surface, catalysis, colloid and solid state	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	2015-2016 / B.Sc. (undergraduate)	
4- Teaching hours	Lectures hrs. /week	2
	Tutorial hrs. /week	0
	Practical hrs. /week	0
	Total hrs. /week	2
4- Credit hours	Total credit hrs.	2

5- Names of lecturers contributing to the delivery of the course:

Prof. Dr. Mohamed M. Mokhtar
Dr. Wafaa abdallah bayoumy
Dr. Safenaz Mohamed reda
Dr. Mohamed Khairy Abdel Fattah

Course coordinator: Prof. Dr. Mohamed M. Mokhtar
Dr. Wafaa abdallah bayoumy
Dr. Safenaz Mohamed reda
Dr. Mohamed Khairy Abdel Fattah

External evaluator: None

B- Statistical Information

No. of students attending the course: **No. 237** **100 %**
No. of students completing the course: **No. 237** **100 %**
Results:

	No.	%
Passed	234	99
Failed	**4**	**1**

Grading of successful students:

	No.	%
Excellent	**27**	**11**
Very Good	**77**	**32**
Good	**88**	**37**
Pass	**42**	**18**

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours
1. Introduction to surface chemistry, catalysis, colloid state.	2	0	0

2. Surface tension and its relation with curvature and effect of temperature on it.	2	0	0
3. Measurements of surface tension and surface activity	2	0	0
4. Surface excess and how be measured, solid/liquid interface, spreading coefficient, Liquid/liquid interface and application of thin films	2	0	0
5. Gas/solid interface, adsorption and adsorption isotherms, hysteresis and surface area, pore volume and pore radius measurments part (1).	2	0	0
6. Gas/solid interface, adsorption and adsorption isotherms, hysteresis and surface area, pore volume and pore radius measurments part (2).	2	2	2
7. Mid-Term Exam. Introduction to Colloid state, types of colloid systems, preparation of	2	0	0
8. Introduction to Colloid state, types of colloid systems, preparation of them	2	0	0
9. The properties of colloid solutions(electrical, optical and kinetic properties, protection of colloid systems)	2	0	0
10. Introduction to catalysis,	2	0	0
11. The components of catalyst part (1).	2	0	0
12. The components of catalyst part (2).	2	0	0
13. Materials used as catalyst (metals, semiconductor, insulators)	2	0	0
14. Preparation of catalyst, function of catalyst	2	0	0
Total hours	**28**	0	**0**

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [….]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a5	b1 to b4	c1	d1 to d4

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: None.
Seminar/Workshop: Field work is still needed
Class activity:

Using computer and data show during discussion

Case Study: None
Other assignments/homework: weekly assignments
If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools:	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3, b2, and d1	Fifth week	5 %
Mid-Term Exam	a1, a2, a3, a4, b2, d1, and d2	Seventh week	5 %
Oral exam	a1, a2, a3, a4, b1, b2, b3, and d4	fifteenth week	10 %
Written exam	a1, a2, a3, a4, b1, b2, b3.	sixteenth week	80 %
Total			100 %

Members of examination committee:

Prof. Dr. Mohamed M. Mokhtar

Dr. Wafaa abdallah bayoumyRole of external evaluator None

4- Facilities and teaching materials:
Totally adequate
Adequate to some extent: Microphones functionality should be checked before semester begins
Inadequate
List any inadequacies: None

5- Administrative constraints
List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s): None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Seminar and Brain storming for all stude participation of all students (groups) in performing seminar for definite parts of course followed by scientific evaluation performed by the course instructor.	Head of the department and all course instructors	Seminar and Brain storming performed for all students (in groups) and covered all course contents

Action State whether or not completed and give reasons for any non-completion
None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date
Development of student skills; participating of all students (in groups) in collecting (using international websites) some scientific parts supporting the basic contents of the course. Also, all these activities will be evaluated by the instructor of the course.	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2016-2017

Course coordinator: **Prof. Dr. Ahmed Shalaby**
Date: 2015-2016

Annual Course Report
2015-2016

A- Basic Information	
1- Title and code:	342 CH: Analytical Chemistry (2)
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program

3- Year/Level of program:	2015-2016 / B.Sc. (undergraduate)	
4- Teaching hours	Lectures hrs. /week	2
	Tutorial hrs. /week	0
	Practical hrs. /week	3
	Total hrs. /week	5
4- Credit hours	Total credit hrs.	3

5- Names of lecturers contributing to the delivery of the course:

Dr. Hisham Marawan
Dr. Talaat younis mohamed
Dr. Mostafa Y. Nassar

Course coordinator: Dr. Hisham Marawan
Dr. Talaat younis mohamed
Dr. Mostafa Y. Nassar
External evaluator: None

B- Statistical Information

No. of students attending the course: **No. 244** **100 %**
No. of students completing the course: **No. 244** **100 %**
Results:

	No.	%
Passed	**243**	100
Failed	**1**	**0**

Grading of successful students:

	No.	%
Excellent	**78**	**32**
Very Good	**102**	**42**
Good	**56**	**23**
Pass	**7**	**3**

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours
1. Introduction to different types of chromatographic analysis	2	0	0
2. Identify the components of the instrument	2	0	0
3. Studying the spectrum of the chemical structure	2	0	0
4. Application studies of each instrument.	2	0	0
5. Study each type of chromatography.	2	0	0
6. Differentiation between liquid and gas chromatography	2	0	0
7. Mid-term exam	2	0	0
8. Qualitative & quantitative detection using	2	0	0

chromatography Tools.			
9. Introduction to solvent extraction	2	0	0
10. General properties of solvents & ligands	2	0	0
11. Study the different type of chelate formation	2	0	0
12. General properties of heteropoly acid and nucleic acid	2	0	0
13. General properties of natural exchangers used in chromatographic separation and revision	2	0	0
14. Revision	2	0	0
Total hours	**28**	0	**0**

Topics taught as a percentage of the content specified:

>90 % √ **70-90 %** ☐ **<70%** ....

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a5	b1 to b3	c1 to C2	d1 to d4

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: Carrying out some chemical experiments in chemistry department lab.

Seminar/Workshop: Field work is still needed

Class activity:

Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools:	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3, b2, and d1	Fifth week	5 %
Mid-Term Exam	a1, a2, a3, a4, b2, d1, and d2	seventh week	5 %
Oral exam	a1, a2, a3, a4, b1, b2, b3and d4	fifteenth week	10 %
Written exam	a1, a2, a3, a4, b1, b2, b3.	sixteenth week	80 %
Total			100 %

Members of examination committee:

Dr. Hisham Marawan

Dr. Talaat younis mohamed

Dr. Mostafa Y. Nassar

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins

Inadequate

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s):

None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Deficiency of computer and Programs. Limited days of field training due to shortage of funding from the university. Purchasing more specific references and tools.	Head of the department and all course instructors	The course note is updated and the instructor helped in developing the practical course experiments

Action State whether or not completed and give reasons for any non-completion

None

9- Action plan for academic year 2016-2017

Actions required	Person responsible	Completion date
Update Computer and design new program required to solve the problem under studies	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2016-2017

Course coordinator: Dr. Hisham Marawan

Dr. Talaat younis mohamed

Dr. Mostafa Y. Nassar

Date: 2015-2016

Annual Course Report

2015-2016

A- Basic Information	
1- Title and code:	Instrumental Analysis Chemistry (1) (441 Ch)
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program

3- Year/Level of program:	2015-2016 / B.Sc. (undergraduate)	
4- Teaching hours	Lectures hrs. /week	3
	Tutorial hrs. /week	0
	Practical hrs. /week	3
	Total hrs. /week	6
4- Credit hours	Total credit hrs.	4

5- Names of lecturers contributing to the delivery of the course:
Prof. Dr.Ibrahim Elsayed
Prof. Dr. Hesham Marawan
Assist. Prof Dr. Mostafa Y.Nassar
Course coordinator: Prof. Dr.Ibrahim Elsayed
Prof. Dr. Hesham Marawan
Assist. Prof Dr. Mostafa Y. Nassar
External evaluator: None

B- Statistical Information

No. of students attending the course: **No.** **347** **100 %**

No. of students completing the course: **No.** **347** **100 %**

Results:

	No.	%
Passed	**343**	99
Failed	**4**	**1**

Grading of successful students:		
	No.	**%**
Excellent	**96**	**28**
Very Good	**131**	**38**
Good	**86**	**25**
Pass	**30**	**9**

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours
1. Introduction to spectral analysis.	3	0	3
2. Beer's Law and its deviations.	3	0	3
3. Component of the instrument.	3	0	3
4. Application of spectrphotometry.	3	0	3
5. Introduction to atomic absorption spectrometry.	3	0	3
6. Instrumentation of atomic spectrometry.	3	0	3
7. Mid-Term Exam.	3	0	3
8. Atomic emission spectrometry.	3	0	3
9. Introduction to IR spectrometry	3	0	3
10. Application of IR spectra	3	0	3
11. X-ray spectrometry	3	0	3
12. Introduction to thermal analysis	3	0	3
13. Application of thermal analysis	3	0	3
14. Final revision with explain some charts	3	0	3
Total hours	**42**	0	**42**

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [....]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a10	b1 to b5	c1 to C3	d1 to d4

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: Carrying out some chemical experiments in chemistry department lab.

Seminar/Workshop: Field work is still needed

Class activity: Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools:	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3,a5, b2, and d1	Fifth week	5 %
Mid-Term Exam	a1, a2, a3, a4, a7,b2,b4, d1, and d2	Seventh week	5 %
Oral exam	a1, a2, a3, a4,a7,a8, b1, b2, b3, and d4	fifteenth week	10 %
Written exam	a1, a2, a3, a4,a10, b1, b2, b3, b4.	sixteenth week	80 %
Total			100 %

Members of examination committee	Prof. Dr.Ibrahim Elsayed
	Prof. Dr. Hesham Marawan
	Assist. Prof Dr. Mostafa Y. Nassar

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins

Inadequate

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s): None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Seminar and Brain storming for all stude participation of all students (groups) in performing seminar for definite parts of course followed by scientific evaluation performed by the course instructor.	Head of the department and all course instructors	Seminar and Brain storming performed for all students (in groups) and covered all course contents

Action State whether or not completed and give reasons for any non-completion

None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date
Development of student skills; participating of all students (in groups)	Head of the department and all course instructors	By the beginning of the second semester of the

in collecting (using international websites) some scientific parts supporting the basic contents of the course. Also, all these activities will be evaluated by the instructor of the course.		academic year 2016-2017

Course coordinator: **Prof. Dr. Ahmed Shalaby**

Date: 2015-2016

Annual Course Report

2015-2016

A- Basic Information		
1- Title and code:	Petroleum additives chemistry (413 Ch)	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	2015-2016 / B.Sc. (undergraduate)	
4- Teaching hours	Lectures hrs. /week	2
	Tutorial hrs. /week	0
	Practical hrs. /week	0
	Total hrs. /week	2
4- Credit hours	Total credit hrs.	2

5- Names of lecturers contributing to the delivery of the course:
Prof .Dr. Wagdey Eldogdog
Course coordinator: Prof .Dr. Wagdey Eldogdog
External evaluator: None

B- Statistical Information

No. of students attending the course: No. 313 100 %
No. of students completing the course: No. 313 100 %
Results:

	No.	%
Passed	313	100
Failed	0	0

Grading of successful students:

	No.	%
Excellent	180	58
Very Good	92	29
Good	30	10
Pass	11	4

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours
1. Introduction to the principles of petroleum chemistry	2	0	0
2. General introduction of petroleum additives	2	0	0
3. General properties of petroleum additives	2	0	0
4. Application of petroleum additives in lubricating oils.	2	0	0
5. Application of petroleum additives in fuels.	2	0	0
6. Application of petroleum additives in kerosene.	2	0	0
7. Mid-Term Exam.	2	0	0
8. Application of petroleum additives in gasoline.	2	0	0
9. The important properties of fuels, lubricating oils, gasoline,	2	0	0
10. Changing in physical properties after addition of additives	2	0	0
11. Changing in physical properties after addition of additives	2	0	0
12. gasoline, and kerosene additives.	2	0	0
13. Changing in physical properties after addition of additives	2	0	0
14. Improvement properties of fuels, lubricating oils, gasoline,	2	0	0
Total hours	**28**	0	**0**

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [....]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a5	b1 to b3	c1 to C2	d1 to d4

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: None

Seminar/Workshop: Field work is still needed

Class activity:

Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools:	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3, b2, d1 and d3	Fifth week	5 %
Mid-Term Exam	a1, a2, a3, a4, b2, d1, and d2	Seventh week	5 %
Oral exam	a1, a2, a3, a4, b1, b2, b3, and d4	fifteenth week	10 %
Written exam	a1, a2, a3, a4, a5,b1, b2, b3	sixteenth week	80 %
Total			100 %

Members of examination committee	Prof .Dr. Wagdey Eldogdog
Role of external evaluator	None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins

Inadequate

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s):

None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Seminar and Brain storming for all stude participation of all students (groups) in performing seminar for definite parts of course followed by scientific evaluation performed by the course instructor.	Head of the department and all course instructors	Seminar and Brain storming performed for all students (in groups) and covered all course contents

Action State whether or not completed and give reasons for any non-completion

None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date
Development of student skills; participating of all students (in groups)	Head of the department and all course instructors	By the beginning of the second semester of the

in collecting (using international websites) some scientific parts supporting the basic contents of the course. Also, all these activities will be evaluated by the instructor of the course.		academic year 2016-2017

Course coordinator: **Prof. Dr. Ahmed Shalaby**

Date: 2015-2016

Annual Course Report

2015-2016

A- Basic Information		
1- Title and code:	Petrolum chemistry & Polymers (411 Ch)	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	2015-2016 / B.Sc. (undergraduate)	
4- Teaching hours	Lectures hrs. /week	2
	Tutorial hrs. /week	0
	Practical hrs. /week	3
	Total hrs. /week	5
4- Credit hours	Total credit hrs.	3

5- Names of lecturers contributing to the delivery of the course:
Prof. Dr. Ahmed Abd elsalam
Prof. Dr. Koussar Abd elhalim
Course coordinator: Prof. Dr. Ahmed Abd elsalam
Prof. Dr. Koussar Abd elhalim
External evaluator: None

B- Statistical Information

No. of students attending the course: **No.** 347 **100 %**
No. of students completing the course: **No.** 347 **100 %**
Results:

	No.	%
Passed	347	100
Failed	0	0

Grading of successful students:

	No.	%
Excellent	61	18
Very Good	132	38
Good	123	35
Pass	31	9

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours
1. Introduction to petroleum chemistry.	2	0	3
2. The theory of the origin of petroleum, its Physical properties and its chemical composition.	2	0	3
3. Petroleum processing.	2	0	3
4. Separation processes.	2	0	3
5. Conversion processes.	2	0	3
6. Treating process.	2	0	3
7. Mid-Term Exam.	2	0	3
8. Introduction of polymers and the types of polymerization	2	0	3
9. Synthesis methods of some polymers	2	0	3
10. General properties of polymers and its improvement.	2	0	3
11. Use of polymer in industrial and its application part (1).	2	0	3
12. Use of polymer in industrial and its application part (2).	2	0	3
13. Preparation of some polymer used in industrial part (1).	2	0	3
14. Use of polymer in industrial and its application part (2)	2	0	3
Total hours	**28**	0	**42**

Topics taught as a percentage of the content specified:

>90 % √ **70-90 %** ☐ **<70%** ....

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a6	b1 to b5	c1 to C4	d1 to d4

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: Carrying out some chemical experiments in chemistry department lab.

Seminar/Workshop: Field work is still needed

Class activity: Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools:	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3, b2, c1 and d1	Fifth week	5 %
Mid-Term Exam	a1, a2, a3, b2, , d1, and d2	Seventh week	5 %
Oral exam	a1, a2, a3, a4, a5, b1, b2, b3, b4, b5, and d4	fiftrteenth week	10 %
Written exam	a1, a2, a3, a4, a5, b1, b2, b3, b4, b5.	sixteenth week	80 %
Total			100 %

Members of examination committee **Prof.Dr. Ahmed Abd elsalam**
Prof.Dr. Koussar Abd elhalim

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins

Inadequate

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s): None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Deficiency of computer and Programs. Limited days of field training due to shortage of funding from the university. Purchasing more specific references and tools.	Head of the department and all course instructors	The course note is updated and the instructor helped in developing the practical course experiments

Action State whether or not completed and give reasons for any non-completion None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date
Update Computer and design new program required to solve the problem under studies	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2016-2017

Course coordinator: **Prof. Dr. Ahmed Abd elsalam**
Prof. Dr. Koussar Abd elhalim

Date: 2015-2016

Annual Course Report
2015-2016

A- Basic Information		
1- Title and code:	Quantum chemistry & statistical thermodynamic (439 Ch)	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	2015-2016 / B.Sc. (undergraduate)	
4- Teaching hours	Lectures hrs. /week	2
	Tutorial hrs. /week	1
	Practical hrs. /week	0
	Total hrs. /week	3
4- Credit hours	Total credit hrs.	2

5- Names of lecturers contributing to the delivery of the course:

Prof. Dr.Mervat
Dr. Kamal. A. Soliman

Course coordinator: Prof. Dr.Mervat
Dr. Kamal. A. Soliman

External evaluator: None

B- Statistical Information

No. of students attending the course: No. 344 — **100 %**
No. of students completing the course: No. 344 — **100 %**
Results:

	No.	%
Passed	280	81
Failed	64	19

Grading of successful students:

	No.	%
Excellent	28	8
Very Good	62	18
Good	81	24
Pass	109	32

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours
1- The time- independent and time-dependent Schrodinger	2	1	0
2- Operators - Commutations relations	2	1	0
3- Postulates and Theorems of Quantum Mechanics	2	1	0
4- Some analytically soluble problems - Time-independent and dependent Perturbation theory	2	1	0
5- The variation theorem- Huckel theory of conjugated hydrocarbons - Symmetry elements and symmetry	2	1	0
6- Reducible and Irreducible representations	2	1	0
7-Mid term exam	2	1	0
8- Molecular vibrations- Bonding theory	2	1	0
9- Kinetic theory of gases and heat capacity- Principles of equipartition of energy- Classical calculations of heat capacity	2	1	0
10- The partition function- Separation of energy	2	1	0
11- The electronic, translational, rotational, and vibrational partition functions	2	1	0
12- Entropy at absolute zero- Entropies of gases	2	1	0
13- Tests of the third law of thermodynamics- The Boltzman-Planck equation	2	1	0
14- Thermodynamic probability and statistical calculations of entropy- Vibrational, nuclear spin, and rotational	2	1	0
Total hours	**28**	14	**0**

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [....]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a7	b1 to b3	c1 to C2	d1 to d4

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: None

Seminar/Workshop: Field work is still needed

Class activity:

Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools:	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3, b2, and d1	Fifth week	5 %
Mid-Term Exam	a1, a2, a3, a4, a5,a6,b2, d1, and d2	Seventh week	5 %
Oral exam	a1, a2, a3, a4, a5,a6,a7,b1, b2, b3, , and d4	fifteenth week	10 %
Written exam	a1, a2, a3, a4, a5,a6,a7,b1, b2, b3.	sixteenth week	80 %
Total			100 %

Members of examination committee: **Prof. Dr. Mervat**
Dr. Kamal. A. Soliman

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins

Inadequate

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s): None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Seminar and Brain storming for all stude participation of all students (groups) in performing seminar for definite parts of course followed by scientific evaluation performed by the course instructor.	Head of the department and all course instructors	Seminar and Brain storming performed for all students (in groups) and covered all course contents

Action State whether or not completed and give reasons for any non-completion

None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date

Development of student skills; participating of all students (in groups) in collecting (using international websites) some scientific parts supporting the basic contents of the course. Also, all these activities will be evaluated by the instructor of the course.	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2016-2017

Course coordinator: **Prof. Dr. Ahmed Shalaby**

Date: 2015-2016

Annual Course Report

2015-2016

A- Basic Information		
1- Title and code:	Stereo and Photoorganic Chemistry (415Ch)	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	2015-2016 / B.Sc. (undergraduate)	
4- Teaching hours	Lectures hrs. /week	2
	Tutorial hrs. /week	0
	Practical hrs. /week	0
	Total hrs. /week	2
4- Credit hours	Total credit hrs.	2

5- Names of lecturers contributing to the delivery of the course:
Prof. Dr.Eman Gad Elkareem
Dr. Bahaa Eldien Elgendy
Course coordinator: Prof. Dr.Eman Gad Elkareem
Dr. Bahaa Eldien Elgendy
External evaluator: None

B- Statistical Information

No. of students attending the course: **No.** 8 **100 %**
No. of students completing the course: **No.** 8 **100 %**
Results:

	No.	%
Passed	**8**	100
Failed	**0**	**0**

Grading of successful students:		
	No.	**%**
Excellent	**4**	**50**
Very Good	**1**	**13**

Good	3	38
Pass	0	0

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours
15. Introduction to photo organic chemistry.	2	0	2
16. Reaction mechanism of photo organic compounds.	2	0	2
17. Energy levels of molecules.	2	0	2
18. Absorption and emission of light	2	0	2
19. Principal reactions of photochemistry.	2	0	2
20. Photo chemistry of carbonyl compounds.	2	0	2
21. Mid-Term Exam.	2	0	2
22. Photochemistry of alkenes part (1).	2	0	2
23. Photochemistry of alkenes part (2).	2	0	2
24. Photochemistry of enones part (1).	2	0	2
25. Photochemistry of enones part (2).	2	0	2
26. Photo chemistry of aromatic compounds.	2	0	2
27. Introduction to identify isomers	2	0	2
28. Stereochemistry of some organic compounds	2	0	2
Total hours	**28**	0	**28**

Topics taught as a percentage of the content specified:

>90 % √ **70-90 %** ☐ **<70%** ....

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a6	b1 to b4	c1 to C3	d1 to d2

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: None

Seminar/Workshop: Field work is still needed

Class activity:

Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools:	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3, b2, and d1	Fifth week	5 %
Mid-Term Exam	a1, a5, a6, b3, b4.	Seventh week	5 %
Oral exam	a1, a3, a4, a5, a6, b1	fifteenth week	10 %
Written exam	a1, a2, a3, a5, a6, b1, b2, b4,.	sixteenth week	80 %
Total			100 %

Members of examination committee
Prof. Dr. Aly Abdel maboud Aly

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins

Inadequate

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s):

None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Deficiency of computer and Programs. Limited days of field training due to shortage of funding from the university. Purchasing more specific references and tools.	Head of the department and all course instructors	The course note is updated and the instructor helped in developing the practical course experiments

Action State whether or not completed and give reasons for any non-completion None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date
Update Computer and design new program required to solve the problem under studies	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2016-2017

Course coordinator: Prof. Dr.Eman Gad Elkareem
Dr. Bahaa Eldien Elgendy

Date: 2015-2016

Annual Course Report

2015-2016

A- Basic Information		
1- Title and code:	Heterocyclic organic Chemistry (412 Ch)	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	2015-2016 / B.Sc. (undergraduate)	
4- Teaching hours	Lectures hrs. /week	2
	Tutorial hrs. /week	0
	Practical hrs. /week	3
	Total hrs. /week	5
4- Credit hours	Total credit hrs.	3

5- Names of lecturers contributing to the delivery of the course:

Prof. Dr. Shafei Galal Donia
Dr. Bahaa Eldien Elgendy

Course coordinator: Prof. Dr. Shafei Galal Donia
Dr. Bahaa Eldien Elgendy

External evaluator: None

B- Statistical Information

No. of students attending the course: No. 345 100 %

No. of students completing the course: No. 343 99.4 %

Results:

	No.	%
Passed	342	100
Failed	1	0

Grading of successful students:

	No.	%
Excellent	28	8
Very Good	83	24
Good	111	32
Pass	120	35

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours
1. Nomenclature of heterocyclic compounds	2	0	3
2. Synthesis, reactions and applications of three and four membered heterocycles	2	0	3
3. Synthesis, reactions and applications of five membered heterocycles (one heteroatom) part (1)	2	0	3
4. 3. Synthesis, reactions and applications of five membered heterocycles (one heteroatom) part (2)	2	0	3
5. Synthesis, reactions and applications of five membered heterocycles (more than one heteroatom) part (1)	2	0	3
6. 5. Synthesis, reactions and applications of five membered heterocycles (more than one heteroatom) part (2)	2	0	3
7. Mid-term exam	2	0	3
8. Synthesis, reactions and applications of six membered heterocycles (one heteroatom)	2	0	3
9. Synthesis, reactions and applications of fused five membered heterocycles	2	0	3
10. Synthesis, reactions and applications of six membered heterocycles (more than one heteroatom) part (1)	2	0	3
11. Synthesis, reactions and applications of six membered heterocycles (more than one heteroatom) part (2)	2	0	3
12. Nomenclature of fused heterocycles part (1)	2	0	3
13. Nomenclature of fused heterocycles part (2)	2	0	3
14. Revision	2	0	3
Total hours	28	0	42

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [....]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a6	b1 to b6	c1 to C4	d1 to d4

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: Carrying out some chemical experiments in chemistry department lab.

Seminar/Workshop: Field work is still needed

Class activity:

Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools:	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3, a5, b3, b4, c2, and d1	Fifth week	5 %
Mid-Term Exam	a1, a2, a3, a5, a6, b1, b6 d1, and d2	Seventh week	5 %
Oral exam	a1, a2, a3, a4, b1, b2, b4, b5 d3, and d4	Thirteenth week	10 %
Written exam	a1, a2, a3, a4, b1, b2, b3	Fourteenth week	80 %
Total			100 %

Members of examination committee: **Prof. Dr. Shafei Galal Donia**

Dr.Mohamed Sayed Behalo

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins

Inadequate

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s): None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Seminar and Brain storming for all stude participation of all students (groups) in performing seminar for definite parts of course followed by scientific evaluation performed by the course instructor.	Head of the department and all course instructors	Seminar and Brain storming performed for all students (in groups) and covered all course contents

Action State whether or not completed and give reasons for any non-completion

None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date
Development of student skills;	Head of the department	By the beginning of the

participating of all students (in groups) in collecting (using international websites) some scientific parts supporting the basic contents of the course. Also, all these activities will be evaluated by the instructor of the course.	and all course instructors	second semester of the academic year 2016-2017

Course coordinator: **Prof. Dr. Ahmed Shalaby**

Date: 2015-2016

Annual Course Report

2015-2016

A- Basic Information		
1- Title and code:	Advanced inorganic chemistry and chemical applications of group theory (422 Ch)	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	2015-2016 / B.Sc. (undergraduate)	
4- Teaching hours	Lectures hrs. /week	2
	Tutorial hrs. /week	0
	Practical hrs. /week	0
	Total hrs. /week	2
4- Credit hours	Total credit hrs.	2

5- Names of lecturers contributing to the delivery of the course:
Prof. Dr. Ibrahim S. Ahmed
Assist. Prof Dr. Mostafa Y. Nassar
Course coordinator: Prof. Dr. Ibrahim S. Ahmed
Assist. Prof Dr. Mostafa Y. Nassar
External evaluator: None

B- Statistical Information

No. of students attending the course: No. 341 **100 %**

No. of students completing the course: No. 341 **100 %**

Results:

	No.	%
Passed	236	99
Failed	5	1

Grading of successful students:

	No.	%
Excellent	27	8
Very Good	95	28
Good	132	39
Pass	82	24

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours
1. Introduction to group theory and its applications in Chemistry	2	0	0
2. Symmetry elements and symmetry operations	2	0	0
3. Determination of point group of a molecule	2	0	0
4. Group representation and character tables part 1	2	0	0
5. Group representation and character tables part 2	2	0	0
6. Reducible and irreducible representation	2	0	0
7. Mid-Term Exam.	2	0	0
8. Reducible and irreducible representation part (1)	2	0	0
9. Reducible and irreducible representation part (2)	2	0	0
10. Molecular vibrations part 1	2	0	0
11. Molecular vibrations part 2	2	0	0
12. Bonding and Molecular orbital theory part (1)	2	0	0
13. Bonding and Molecular orbital theory part (2)	2	0	0
14. Electronic transition	2	0	0
Total hours	**28**	0	**0**

Topics taught as a percentage of the content specified:

>90 % √ **70-90 %** ☐ **<70%** ....

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a8	b1 to b3	c1 to C2	d1 to d4

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: None

Seminar/Workshop: Field work is still needed

Class activity: Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools:	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3, b2, d1,and d2	Fifth week	5 %
Mid-Term Exam	a1, a2, a3, a4, a5, a6, b1, b2, d1, and d2	Seventh week	5 %
Oral exam	a1, a2, a3, a4, a5, a6, a7, a8, b1, b2, b3, and d4	fifteenth week	10 %
Written exam	a1, a2, a3, a4, a5, a6, a7, a8, b1, b2, b3,	sixteenth week	80 %
Total			100 %

Members of examination committee: **Prof. Dr. Ibrahim S. Ahmed**
Assist. Prof Dr. Mostafa Y. Nassar

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins

Inadequate

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s): None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Deficiency of computer and Programs. Limited days of field training due to shortage of funding from the university. Purchasing more specific references and tools.	Head of the department and all course instructors	The course note is updated and the instructor helped in developing the practical course experiments

Action State whether or not completed and give reasons for any non-completion None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date
Update Computer and design new program required to solve the problem under studies	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2016-2017

Course coordinator: **Prof. Dr. Ibrahim S. Ahmed**
Assist. Prof Dr. Mostafa Y. Nassar

Date: 2015-2016

Annual Course Report
2015-2016

A- Basic Information		
1- Title and code:	Materials Science (432 Ch)	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	2015-2016 / B.Sc. (undergraduate)	
4- Teaching hours	Lectures hrs. /week	2
	Tutorial hrs. /week	0
	Practical hrs. /week	2
	Total hrs. /week	4
4- Credit hours	Total credit hrs.	3

5- Names of lecturers contributing to the delivery of the course:
Prof. Dr. Wafaa Abdalla
Dr. Eman Abdalla

Course coordinator: Prof. Dr. Wafaa Abdalla
Dr. Eman Abdalla

External evaluator: None

B- Statistical Information

No. of students attending the course: No. 344 — **100 %**
No. of students completing the course: No. 343 — **99.7%**
Results:

	No.	%
Passed	343	100
Failed	0	0

Grading of successful students:	No.	%
Excellent	70	20
Very Good	94	27
Good	108	31
Pass	71	21

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours
1. Introduction to materials science tetrahedron.	2	0	2
2. Types of materials	2	0	2
3. Preparation methods of oxides	2	0	2
4. Preparation methods of ceramic materials	2	0	2
5. Properties of ceramic materials part (1)	2	0	2
6. Properties of ceramic materials part (2)	2	0	2
7. Mid-term exam	2	0	2
8. Electrical properties of different materials part (1)	2	0	2
9. Electrical properties of different materials part (2)	2	0	2
10. Mechanical properties of different materials	2	0	2
11. Optical properties of different materials part (1)	2	0	2
12. Optical properties of different materials part (2)	2	0	2
13. Magnetic properties of materials.	2	0	2
14. Different applications of materials.	2	0	2
Total hours	**28**	0	**28**

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [....]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a5	b1 to b4	c1 to C2	d1 to d4

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: Carrying out some chemical experiments in chemistry department lab.

Seminar/Workshop: Field work is still needed

Class activity: Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools:	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3, b2, and d1	Fifth week	5 %
Mid-Term Exam	a1, a2, a3, a4, b2, d1, and d2	Seventh week	5 %
Oral exam	a1, a2, a3, a4, b1, b2, b3 and d4	fifteenth week	10 %
Written exam	a1, a2, a3, a4, b1, b2, b3,	Sixteenth week	80 %
Total			100 %

Members of examination committee: Prof. Dr.Wafaa Abdalla
Dr. Eman Abdalla

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins

Inadequate

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s): None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Seminar and Brain storming for all stude participation of all students (groups) in performing seminar for definite parts of course followed by scientific evaluation performed by the course instructor.	Head of the department and all course instructors	Seminar and Brain storming performed for all students (in groups) and covered all course contents

Action State whether or not completed and give reasons for any non-completion

None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date
Development of student skills; participating of all students (in groups) in collecting (using international websites) some scientific parts supporting the basic contents of the course. Also, all these activities will be evaluated by the instructor of the course.	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2016-2017

Course coordinator: **Prof. Dr. Ahmed Shalaby**
Date: 2015-2016

Annual Course Report

2015-2016

A- Basic Information		
1- Title and code:	Advanced Analytical Chemistry (440 Ch)	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	2015-2016 / B.Sc. (undergraduate)	
4- Teaching hours	Lectures hrs. /week	2
	Tutorial hrs. /week	0
	Practical hrs. /week	0
	Total hrs. /week	2
4- Credit hours	Total credit hrs.	2

5- Names of lecturers contributing to the delivery of the course:
Dr. Talaat Younis Mohamed
Course coordinator: Dr. Talaat Younis Mohamed
External evaluator: None

B- Statistical Information

No. of students attending the course: **No.** 2 **100 %**
No. of students completing the course: **No.** 2 **100 %**
Results:

	No.	%
Passed	**2**	**100**
Failed	**0**	**0**

Grading of successful students:

	No.	%
Excellent	1	**50**
Very Good	**1**	**50**
Good	**0**	**0**
Pass	**0**	**0**

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours
1. Introduction to chromatography and overview on analytical separations and general theory of column chromatography.	2	0	0
2. Classifications of chromatographic methods	2	0	0
3. Instrumentation of Gas chromatography	2	0	0
4. Detectors of Gas chromatography such as TCD, FID and ECD	2	0	0
5. Qualitative, quantitative applications and evaluations of Gas chromatography.	2	0	0
6. Instrumentation of HPLC	2	0	0
7. Mid-term exam	2	0	0
8. Qualitative, quantitative applications and evaluations of HPLC.	2	0	0
9. Introduction to the theory of capillary electrophoresis	2	0	0
10. Instrumentation, application and evaluation of electrophoresis	2	0	0
11. Introduction to Photoluminescence Spectroscopy (Fluorescence and Phosphorescence Spectra)	2	0	0
12. Instrumentation, application and evaluation of Photoluminescence Spectroscopy (Fluorescence and Phosphorescence Spectra)	2	0	0
13. Introduction to polarography (Theory, Types and Instrumentation)	**2**	0	**0**
14. Applications and evaluations of polarography.	**2**	0	**0**
Total hours	**28**	0	**0**

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [....]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a5	b1 to b3	c1 to C2	d1 to d4

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: None

Seminar/Workshop: Field work is still needed

Class activity:

Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools:	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3, b1, d3 and d1	Fifth week	5 %
Mid-Term Exam	a1, a2, a3, a4, b3, d1, and d2	Seventh week	5 %
Oral exam	a1, a2, a3, a4, a5, b1, b2, b3, and d4	Fifteenth week	10 %
Written exam	a1, a2, a3, a4, a5, b1, b2, b3,	Sixteenth week	80 %
Total			100 %

Members of examination committee	Dr. Talaat Younis Mohamed

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins

Inadequate

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s): None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Deficiency of computer and Programs. Limited days of field training due to shortage of funding from the university. Purchasing more specific references and tools.	Head of the department and all course instructors	The course note is updated and the instructor helped in developing the practical course experiments

Action State whether or not completed and give reasons for any non-completion None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date
Update Computer and design new program required to solve the problem under studies	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2016-2017

Course coordinator: Dr. Talaat Younis Mohamed
Date: 2015-2016

Annual Course Report
2015-2016

A- Basic Information		
1- Title and code:	Industrial Detergents chemistry (414 Ch)	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	2015-2016 / B.Sc. (undergraduate)	
4- Teaching hours	Lectures hrs. /week	2
	Tutorial hrs. /week	0
	Practical hrs. /week	3
	Total hrs. /week	5
4- Credit hours	Total credit hrs.	3

5- Names of lecturers contributing to the delivery of the course:
Prof.Dr. Wagdy El-Dougdoug
Course coordinator: Prof. Dr. Wagdy El-Dougdoug
External evaluator: None

B- Statistical Information

No. of students attending the course: **No.** 275 **100 %**
No. of students completing the course: **No.** 275 **100 %**
Results:

	No.	%
Passed	275	100
Failed	0	0

Grading of successful students:

	No.	%
Excellent	65	24
Very Good	135	49
Good	66	24
Pass	9	3

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours
1. Introduction.	2	0	3
2. Anionic Surfactants.	2	0	3
3. Cationic Surfactants.	2	0	3
4. Amphotenic Surfactants.	2	0	3
5. Gimini Surfactants.	2	0	3
6. Nonionic Surfactants.	2	0	3
7. Mid-Term Exam.	2	0	3
8. Surface Active properties.	2	0	3
9. Relationship between properties and chemical structure.	2	0	3
10. (HLB) Hydrophilic lypophilic balance, (CMC) critical micille concentration.	2	0	3
11. Industrial applications of surfactant.	2	0	3
12. Biodegradability	2	0	3
13. Green natural surfactant.	2	0	3
14. Revision.	2	0	3
Total hours	**28**	0	**42**

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [....]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a6	b1 to b3	c1 to C3	d1 to d3

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: Carrying out some chemical experiments in chemistry department lab.

Seminar/Workshop: Field work is still needed

Class activity: Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools:	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3, b2 and d1	Fifth week	5 %
Mid-Term Exam	a1, a2, a3, a4, b2 and d1	Seventh week	5 %
Oral exam	a1, a2, a3, a4, b1, b2, b3	Fifteenth week	10 %
Written exam	a1, a2, a3, a4, a5,b1, b2, b3	sixteenth week	80 %
Total			100 %

Members of examination committee: **Prof.Dr. Wagdy El-Dougdoug**

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins

Inadequate

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s):

None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Seminar and Brain storming for all stude participation of all students (groups) in performing seminar for definite parts of course followed by scientific evaluation performed by the course instructor.	Head of the department and all course instructors	Seminar and Brain storming performed for all students (in groups) and covered all course contents

Action State whether or not completed and give reasons for any non-completion

None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date
Development of student skills; participating of all students (in groups) in collecting (using international websites) some scientific parts supporting the basic contents of the	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2016-2017

course. Also, all these activities will be evaluated by the instructor of the course.		

Course coordinator: **Prof. Dr. Ahmed Shalaby**
Date: 2015-2016

Annual Course Report

2015-2016

A- Basic Information		
1- Title and code:	Chemistry of technology of paints (416 Ch)	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	2015-2016 / B.Sc. (undergraduate)	
4- Teaching hours	Lectures hrs. /week	2
	Tutorial hrs. /week	0
	Practical hrs. /week	3
	Total hrs. /week	5
4- Credit hours	Total credit hrs.	3

5- Names of lecturers contributing to the delivery of the course:	
Dr. Mohamed Abo Riya	
Course coordinator:	**Dr. Mohamed Abo Riya**
External evaluator:	None

B- Statistical Information

No. of students attending the course: **No.** 128 **100 %**
No. of students completing the course: **No.** 128 **100 %**
Results:

	No.	**%**
Passed	**128**	100
Failed	**0**	**0**

Grading of successful students:

	No.	**%**
Excellent	**39**	**30**
Very Good	**72**	**56**
Good	**15**	**12**
Pass	**2**	**2**

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours
1. Introduction to paint industerial chemistry.	2	0	3
2. The chemical composition composition of paints.	2	0	3
3. Binders and resins.	2	0	3
4. Binders and resins.	2	0	3
5. Plasticizers.	2	0	3
6. Paint Pigments.	2	0	3
7. Mid-term exam	2	0	3
8. Paint Additives.	2	0	3
9. Paint Additives and testing of additives.	2	0	3
10. Paint formulation.	2	0	3
11. Drying and film formation.	2	0	3
12. Paint systems.	2	0	3
13. Properties and paint testing.	2	0	3
14. Paint application and causes for paint failure.	2	0	3
Total hours	**28**	0	**42**

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [....]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a5	b1 to b5	c1 to C4	d1 to d4

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: Carrying out some chemical experiments in chemistry department lab.

Seminar/Workshop: Field work is still needed

Class activity: Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools:	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3, b2, c1 and d1	Fifth week	5 %
Mid-Term Exam	a1, a2, a3, b2, , d1, and d2	Seventh week	5 %
Oral exam	a1, a2, a3, a4, a5, b1, b2, b3, b4, b5, and d4	fifteenth week	10 %
Written exam	a1, a2, a3, a4, a5, b1, b2, b3, b4, b5	sixteenth week	80 %
Total			100 %

Members of examination committee Dr. Mohamed Abo Riya

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins

Inadequate

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s): None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Seminar and Brain storming for all stude participation of all students (groups) in performing seminar for definite parts of course followed by scientific evaluation performed by the course instructor.	Head of the department and all course instructors	Seminar and Brain storming performed for all students (in groups) and covered all course contents

Action State whether or not completed and give reasons for any non-completion

None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date
Development of student skills; participating of all students (in groups) in collecting (using international websites) some scientific parts supporting the basic contents of the course. Also, all these activities will be	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2016-2017

evaluated by the instructor of the course.		

Course coordinator: **Prof. Dr. Ahmed Shalaby**
Date: 2015-2016

Annual Course Report

2015-2016

A- Basic Information		
1- Title and code:	Research and Essay (400 Ch)	
2- Program(s) on which this course is given:	Special Chemistry B.Sc. Program	
3- Year/Level of program:	2014-2015 / B.Sc. (undergraduate)	
4- Teaching hours	Lectures hrs. /week	2
	Tutorial hrs. /week	0
	Practical hrs. /week	0
	Total hrs. /week	2
4- Credit hours	Total credit hrs.	2

5- Names of lecturers contributing to the delivery of the course:
Stuff Of Chemistry Department

Course coordinator: **Stuff Of Chemistry Department**

External evaluator: None

B- Statistical Information

No. of students attending the course: **No.** 348 **100 %**
No. of students completing the course: **No.** 344 **99 %**
Results:

	No.	%
Passed	**344**	100
Failed	**0**	**0**

Grading of successful students:

	No.	%
Excellent	**289**	**84**
Very Good	**48**	14
Good	**5**	**1**
Pass	**2**	**1**

C- Professional Information

1 – Course teaching

Topic	Lecture hours	Tutorial hours	Practical hours
1. Ethics of scientific writing.	2	0	0
2. How to research and get a scientific article.	2	0	0
3. Parts of the essay?	2	0	0
4. How to write an abstract?	2	0	0
5. How to write an introduction?	2	0	0
6. How to write an experimental section?	2	0	0
7. Mid-Term Exam.	2	0	0
8. How to write the results?	2	0	0
9. How to write the discussion?	2	0	0
10. How to write references?	2	0	0
11. Writing an essay part1	2	0	0
12. Writing an essay part2.	2	0	0
13. Reviewing the written essay.	2	0	0
14. Oral exam-Presenting the written essay	2	0	0
Total hours	**28**	0	**0**

Topics taught as a percentage of the content specified:

>90 % [√] **70-90 %** [ ] **<70%** [....]

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

Achieved program intended learning outcomes, ILO's:

Knowledge and Understanding	Intellectual skills	Practical and professional skills	General skills
a1 to a4	b1 to b4	c1 to C2	d1 to d2

2- Teaching and learning methods:

Lectures: Using information technology, Lecture, Presentations, Problem solving, Discussions, Seminars and Brain storming

Practical training/ laboratory: Carrying out some chemical experiments in chemistry department lab.

Seminar/Workshop: Field work is still needed

Class activity: Using computer and data show during discussion

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

Tools:	To Measure	Time schedule	Grading
Semester Work	a1, a2, a3, b1, b3 and d1	Fifth week	5 %
Mid-Term Exam	a1, a2, a3, a4, b1, b2, d1, and d2	Seventh week	5 %
Oral exam	a1, a2, a3, a4, b1, b2, b3, , and d2	fifteenth week	10 %
Written exam	a1, a2, a3, a4, b1, b2, b3,	sixteenth week	80 %
Total			100 %

Members of examination committee

Stuff Of Chemistry Department

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent: Microphones functionality should be checked before semester begins

Inadequate

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course: None

7- Comments from external evaluator(s): None

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Actions required	Person responsible	Progress of action
Seminar and Brain storming for all stude participation of all students (groups) in performing seminar for definite parts of course followed by scientific evaluation performed by the course instructor.	Head of the department and all course instructors	Seminar and Brain storming performed for all students (in groups) and covered all course contents

Action State whether or not completed and give reasons for any non-completion

None

9- Action plan for academic year 2016 – 2017

Actions required	Person responsible	Completion date
Development of student skills; participating of all students (in groups) in collecting (using international websites) some scientific parts supporting the basic contents of the course. Also, all these activities will be evaluated by the instructor of the	Head of the department and all course instructors	By the beginning of the second semester of the academic year 2016-2017

course.		

Course coordinator: **Prof. Dr. Ahmed Shalaby**
Date: 2015-2016