وزارة التعليم العالي
المعهد العالي للهندسة والتكنولوجيا
بدمياط الجديدة

قسم الهندسة الكيميائية

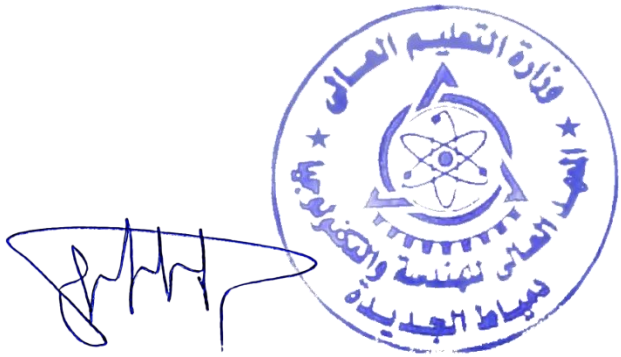
تقارير المقررات قسم الهندسة الكيميائية

إعتماد مجلس القسم لتقارير المقررات قسم الهندسة الكيميائية

بتاريخ 2021/8/23

إعتماد المجلس العلمي لتقارير المقررات قسم الهندسة الكيميائية

بتاريخ 2021/11/9



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2020- 2021

تقارير المقررات لقسم الهندسة الكيميائية

Head of the department	Quality Assurance Unit Manager	Dean of the institute
Assoc.Prof.Dr./ Hend Elsayed Gadow	Assoc.Prof.Dr./ Ramadan Abdelghany Elkateb	Prof.Dr./ Osami Elsaeed Rageh

الفرقة الاعدادي

Ministry of Higher Education
The Higher Institute of
Engineering and Technology
New Damietta

وزارة التعليم العالى
المعهد العالى للهندسة والتكنولوجيا
بدمياط الجديدة

Annual Course Report:

Mathematics 1 (BAS011)

A. Basic Information

Program Title	All programs
Department offering the Program	Basic Science and Engineering Department
Department Responsible for the Course	Basic Science and Engineering Department
Course Code	**BAS011**
Year/ Level	2020-2021/Level zero
Specialization	Major
Authorization date of course report	2/2021
Exam Committee Selection Rule	Commissioning of the Institute of Management
External Revision of Examination	--
Lecturers Number:	1

Teaching hours	**Lectures**	**Exercise**	**laboratory**	**Student's load**
	2	2	-	4

B. Specialized information:

1. Statistics

Subject		**No.**	**Percentage**
Students attending the course		83	100%
Students completing the course		74	89.16%
Results	**Passed**	65	87.84%
	Failed	9	12.16%
Grading of successful students	**Excellent**	4	5.41%
	Very Good	13	.17.57%
	Good	21	95.95%
	Pass	27	36.49%

2. Course Teaching:

No.	Topics	Lecture	Exercise	laboratory	Student load
1	vectors algebra - partial fractions - equations theory	2	2	-	8
2	vectors - mathematical induction	2	2	-	4
3	Equations theory –Mathematical Deduction	4	4	-	8

Annual Course Report:

Mathematics 1 (BAS011)

4	numerical solutions methods (simple repetitive method - Newton and modified Newton's method - intersection method - False position method	4	4	-	8
5	Arrays - linear equations systems - Gauss Jordan method for deletion.	4	4	-	8
6	function (definition - theories) - basic trigonometric functions and its inverse - exponential and logarithmic functions	4	4	-	8
7	hyperbolic functions and its inverse - connection (definition - theories) - limits (definition - theories) - derivatives (definition - theories - higher order types)	4	4	-	8
8	- curves drawing - mathematical and engineering derivative applications - undefined formulas - Taylor expansion - MacLean expansion - approximation - introduction in partial derivation.	4	4	-	4
Total		28	28	-	56

- Topics taught as a percentage of the content specified: 90 %
- Lecturers commitment of the course content: 100 %
- Coverage of exam topics to course content: 90 %
- Used Teaching and Learning Methods

No.	Teaching Method	Choice
1	Lectures	√
2	Discussion Sessions	√
3	Information Collection from Different Sources	√
4	Practical	√
5	Research Assignment	x
6	Field Visits	×
7	Case Studies	x
8	Smart Sessions	×
9	…	×

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Annual Course Report:

Mathematics 1 (BAS011)

- Student Assessment:

No.	Evaluation Method	Marks
1	Periodic exams	30
2	Student load	30
3	Final term examination	90
Total		150

3. Facilities Required for Teaching and Learning:

No.	Facility	Choice
1	Lecture Classroom	√
3	White Board	√
4	Data Show System	√
5	Visualizer	×
6	Smart Board	×

No.	Facility	Choice
7	Wireless Board	×
9	Sound System	√
10	Wire-Internet	x
11	Wireless Internet	√
12	…	×

4- Administrative Constraints:

No.	Constraints
1	**None**

5- Student Evaluation Result of the Course:

No.	Evaluation Result
1	**90.44%**

6- Course enhancement suggestions

No.	Suggestions
1	**Converting course from traditional course to particular online course**

7- Comments from external evaluator(s) (if exists):

No.	Comments
1	**References need update**

8- What has been implemented of the student's suggestions in the previous year?

No.	Suggestions
1	**Introducing recent topics to the course on a permanent and continuous basis**

9- What has not been implemented of the suggestions (give reasons)?

No.	Suggestions	Reasons
1	-	

Ministry of Higher Education
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المعهد العالى للهندسة والتكنولوجيا
بدمياط الجديدة

Annual Course Report:

Mathematics 1 (BAS011)

10- Action plan for previous year

No.	Areas of development	Description of development	Completion date	Person responsible
1	Increase some of scientific reference in the library of the institute	Add more books in the electronic library of institute	2020-2021	Dr. Reda Abdo

11- Action plan for next academic year

No.	Areas of development	Description of development	Completion date	Person responsible
1	Add online materials of course	Add course materials to moodle	2021-2022	Dr. Reda Abdo

Course Coordinator: Dr. Reda Abdu

Head of Department: Associate prof. Khaled Samir

Date of Approval: 5/2021

Annual Course Report:

Mechanics 1(BAS012)

A. Basic Information

Program Title	All programs
Department offering the Program	Basic Science and Engineering Department
Department Responsible for the Course	Basic Science and Engineering Department
Course Code	**BAS012**
Year/ Level	2020-2021/Level zero
Specialization	Major
Authorization date of course report	2/2021
Exam Committee Selection Rule	Commissioning of the Institute of Management
External Revision of Examination	--
Lecturers Number:	1

Teaching hours	Lectures	Exercise	laboratory	Student's load
	2	2	-	4

B. Specialized information:

1. Statistics

Subject		**No.**	**Percentage**
Students attending the course		400	100%
Students completing the course		400	100%
Results	**Passed**	251	62.75%
	Failed	149	37.25%
Grading of successful students	**Excellent**	49	12.25%
	Very Good	44	11%
	Good	44	11%
	Pass	114	28.5%

2. Course Teaching:

No.	Topics	Lecture	Exercise	laboratory	Student load
1	Introduction to statics. Fundamental concept Basic quantities of unit dimension- System of units Space, Trigonometry and U.S. Customary units, Force. Statics of particle, Statics of Rigid Body, Free body diagrams. Types of forces, Types of system of forces	2	2	-	4
2	Statics of particles Forces on a particle, Addition of vectors, Resultant of several concurrent forces.	2	2	-	4
3	Resolution of a forces into components Rectangular components of a forces, (unit vectors). Addition of forces by summing X and Y components. Equilibrium of a particle, and Newton's first law of motion.	2	2	-	4
4	Problem involving the equilibrium of a practice- free body diagram. Rectangular components of a forces in space, force defined by its magnitude and two points on its line of action. Addition of concurrent forces in space, equilibrium of a particle in space.	2	2	-	4
5	Rigid bodies: equivalent systems of forces. External and internal forces, principle of transmissibility and equivalent forces, vector product of two vectors, vector product expressed in terms of rectangular components	2	2	-	4
6	Moment of a force about a point. Varignon's theorem, rectangular components of the moment of a force, equivalent systems of forces.	4	4	-	4
7	Equilibrium of rigid bodies Free-body diagram. Equilibrium of a rigid body in two dimensions.	2	2	-	4
8	Equilibrium of three- dimension force body. Reduction of a system of forces to one force and one couple. Equilibrium of a rigid body in three dimensions. Reactions at supports and connections for a two- dimensional and for a three-dimensional structure.	4	4	-	4

9	Centroids and centers of gravity. Centre of gravity of a two- dimensional body, centroids of area and lines, first moments of areas and lines, composite plates and wires.	4	4	-	4
10	Analysis of structures Definition of truss Simple trusses Analysis of trusses by the method of joints	4	4	-	4
Total		28	28	-	56

- Topics taught as a percentage of the content specified: 100%
- Lecturers commitment of the course content 95%
- Coverage of exam topics to course content: 92%
- Used Teaching and Learning Methods

No.	Teaching Methods
1	Lectures
2	Discussion sessions
3	Information collection from different sources
4	Research assignment

- Student Assessment:

No.	Evaluation Method	Marks
1	Periodic exams	20
2	Student load	20
3	Final term examination	60
Total		100

3. Facilities Required for Teaching and Learning:

No.	Facility
1	Lecture classroom
2	Presenter
3	White board
4	Data show system
5	Wireless internet
6	Sound system

4- Administrative Constraints:

No.	Constraints
1	**None**

5- Student Evaluation Result of the Course:

No.	Evaluation Result
1	**91.79%**

6- Course enhancement suggestions

No.	Suggestions
1	Using online course material.

7- Comments from external evaluator(s) (if exists):

No.	Comments
1	**References need update**

8- What has been implemented of the student's suggestions in the previous year?

No.	Suggestions
1	Provide training on how to use a new teaching technology in their classes.

9- What has not been implemented of the suggestions (give reasons)?

No.	Suggestions	Reasons
1	None	None

10- Action plan for previous year

No.	Areas of development	Description of development	Completion date	Person responsible
1	Increase some of scientific reference in the library of the institute	Add more books in the electronic library of institute	2020-2021	Staff

11- Action plan for next academic year

No.	Areas of development	Description of development	Completion date	Person responsible
1	Add online material related to course	Add topics material to Moodle	2021-2022	Staff

Course Coordinator: Dr. Salah Dafee
Head of Department: Assoc. Prof. Dr. Khaled Samir
Date of Approval: 2021

Annual Course Report:

Physics 1(BAS 013)

A. Basic Information

Program Title	All programs
Department offering the Program	Basic Science and Engineering Department
Department Responsible for the Course	Basic Science and Engineering Department
Course Code	BAS 013
Year/ Level	2020-2021/Level 0
Specialization	major
Authorization date of course report	3/2021
Exam Committee Selection Rule	Commissioning of the Institute of Management
External Revision of Examination	--
Lecturers Number:	2

Teaching Hours	Hours per week					
	Lecture	Lab.	Exercise	Contact	Student's load	Total
	2	2	2	6	4	10

B. Specialized information:

1. Statistics

Subject		**No.**	**Percentage**
Students attending the course		408	100%
Students completing the course		408	100%
Results	**Passed**	245	60.049%
	Failed	163	39.95%
Grading of successful students	**Excellent**	15	6.12%
	Very Good	26	10.61%
	Good	41	16.73%
	Pass	163	66.53%

2. Course Teaching:

No.	Topics	Lecture	Exercise	laboratory	Student load
1	Physics and Measurement Practical: measurement methods	4	4	2	8
2	Mechanical properties for materials Practical: Hooks' Law	4	4	2	8
3	Oscillations Practical: simple pendulum.	4	4	2	8
4	Sounds. Practical: Resonance in the Air columns.	2	2	4	4

5	Fluids. Practical: Viscosity.	4	4	4	8
6	Heat transfer Practical: Heat& Specific Heat& thermoelectrical equivalent& the latent heat of melting ice.	2	2	6	4
7	The kinetic theory of gases and the work in thermodynamics Practical: melting point of solid materials.	2	2	4	4
8	The laws of thermodynamic Practical: heating and cooling curves.	4	4	2	8
9	Temperature and thermal expansion Practical: coefficient of linear thermal expansion.	2	2	2	4
Total		28	28	28	56

- Topics taught as a percentage of the content specified: 100 %
- Lecturers commitment of the course content: 95 %
- Coverage of exam topics to course content: 90%
- Used Teaching and Learning Methods

No.	Teaching Method	Choice
1	Lectures	√
2	Discussion Sessions	√
3	Information Collection from Different Sources	√
4	Practical	√
5	Research Assignment	√
6	Field Visits	×
7	Case Studies	x
8	Smart Sessions	×
9	…	×

- Student Assessment:

No.	Assessment Method	Weights
1	Periodic Exam	60
2	Practical Examination	15
3	Final Term Examination	75
Total		150

3. Facilities Required for Teaching and Learning:

No.	Facility	Choice
1	Lecture Classroom	√
2	Lab Facilities	√
3	White Board	√
4	Data Show System	√

No.	Facility	Choice
7	Wireless Board	×
8	Presenter	×
9	Sound System	√
10	Wire-Internet	x

5	Visualizer	×	11	Wireless Internet	√
6	Smart Board	×	12	…	×

4- Administrative Constraints:

No.	Constraints
1	**None**

5- Student Evaluation Result of the Course:

No.	Evaluation Result
1	**82.14%**

6- Course enhancement suggestions

No.	Suggestions
1	**Using online course material.**

7- Comments from external evaluator(s) (if exists):

No.	Comments
1	**-**

8- What has been implemented of the student's suggestions in the previous year?

No.	Suggestions
1	**Provide training on how to use a new teaching technology in their classes.**

9- What has not been implemented of the suggestions (give reasons)?

No.	Suggestions	Reasons
1	-	-

10- Action plan for next academic year

No.	Areas of development	Description of development	Completion date	Person responsible
1	**Add more references in institute library**	**Purchase more references**	**2020-2021**	**Dr. Amal Behairy**

11- Action plan for next academic year

No.	Areas of development	Description of development	Completion date	Person responsible
1	**Add online course material to student**	**-add course notes, assignments, and Quizzes on Moodle**	**2021-2022**	**Dr. Amal Behairy**

Course Coordinator: Dr. Amal Behairy
Dr. Ahmed Lotfy

Head of Department: Assoc. Prof. Khaled Samir

Date of Approval: 2021

Annual Course Report:

Engineering Chemistry(BAS 014)

A. Basic Information

Program Title	All programs
Department offering the Program	Basic Science and Engineering Department
Department Responsible for the Course	Basic Science and Engineering Department
Course Code	BAS 014
Year/ Level	2020-2021/Level zero
Specialization	major
Authorization date of course report	2/2021
Exam Committee Selection Rule	Commissioning of the Institute of Management
External Revision of Examination	--
Lecturers Number:	1

Teaching hours	Lectures	Exercise	laboratory	Student's load
	2	-	2	4

B. Specialized information:

1. Statistics

Subject		No.	Percentage
Students attending the course		390	100%
Students completing the course		390	100%
Results	**Passed**	284	72.8%
	Failed	106	27.2%
Grading of successful students	**Excellent**	38	9.7%
	Very Good	37	.9.5%
	Good	65	16.6%
	Pass	144	36.92

2. Course Teaching:

No.	Topics	Lecture	Exercise	laboratory	Student load
1	Gaseous status. Practical: Chemistry Laboratory Equipment, Titrimetric Analysis.	4	-	4	8
2	Chemical thermodynamics. Practical: Preparation of standard solution of Na_2CO_3 (0.1N), Determination of normality of hclby using standard solution of oxalic acid.	4	-	4	8

Annual Course Report:

Engineering Chemistry(BAS 014)

3	Properties of solutions. Practical: Determination of normality of acetic acid by using standard solution of sodium hydroxide,Determination of normality of sodium carbonate by using standard solution of hcl.	4	-	4	8
4	Material balance in combustion processes. Practical: Standardization of potassium permanganate with oxalic acid.	2	-	2	4
5	Dynamic balance in physical and chemical operations. Practical: Determination of nitrites, precipitation titrations.	4	-	4	8
6	Kinetic chemical interactions. Practical: Preparation of 0.05N of sodium chloride.	2	-	2	4
7	Electrochemistry, corrosion and corrosion control. Practical: Determination of chloride ion by using Mohr method.	2	-	2	4
8	Fertilizers. Practical: Determining Molecule Weight by Freezing Point Depression Method.	2	-	2	4
9	Manufacturing and chemistry of Cement. Practical: Determining Molecule Weight by Freezing Point Depression Method.	2	-	2	4
10	Water processes. Practical: determination of water hardness bycomplex metric titration.	2	-	2	4
Total		28	-	28	56

- Topics taught as a percentage of the content specified: 90 %
- Lecturers commitment of the course content: 100 %
- Coverage of exam topics to course content: 90 %
- Used Teaching and Learning Methods

No.	Teaching Method	Choice
1	Lectures	√
2	Discussion Sessions	×
3	Information Collection from Different Sources	√
4	Practical	√
5	Research Assignment	x
6	Field Visits	×
7	Case Studies	x
8	Smart Sessions	×
9	…	×

Annual Course Report:

Engineering Chemistry(BAS 014)

- Student Assessment:

No.	Evaluation Method	Marks
1	Periodic exams	25
2	Student load	25
3	Practical Examination	15
4	Final term examination	60
Total		125

3. Facilities Required for Teaching and Learning:

No.	Facility	Choice
1	Lecture Classroom	√
2	Lab Facilities	√
3	White Board	√
4	Data Show System	√
5	Visualizer	×
6	Smart Board	×

No.	Facility	Choice
7	Wireless Board	×
8	Presenter	×
9	Sound System	√
10	Wire-Internet	x
11	Wireless Internet	√
12	…	×

4- Administrative Constraints:

No.	Constraints
1	**None**

5- Student Evaluation Result of the Course:

No.	Evaluation Result
1	**82.07%**

6- Course enhancement suggestions

No.	Suggestions
1	**Increasing questions present in the MOODEL**

7- Comments from external evaluator(s) (if exists):

No.	Comments
1	**Update reference**

8- What has been implemented of the student's suggestions in the previous year?

No.	Suggestions
1	**Increasing the problems with ideal answers**

9- What has not been implemented of the suggestions (give reasons)?

No.	Suggestions	Reasons
1	-	-----

Annual Course Report:

Engineering Chemistry(BAS 014)

10- Action plan for previous academic year

No.	Areas of development	Description of development	Completion date	Person responsible
1	**Review the course description vocabulary**	**Review and update course**	**2020-2021**	**Scientific departments**

11.Action plan for next academic year

No.	Areas of development	Description of development	Completion date	Person responsible
1	**Self learning**	**Enhance searching**	**2021-2022**	**Dr. khalid samir**

Course Coordinator: Associate prof. Khaled Samir

Head of Department: Associate prof. Khaled Samir

Date of approval: 2021

Annual Course Report:

Engineering Drawing and Projection (BAS015)

A. Basic Information

Program Title	All programs
Department offering the Program	Basic Science and Engineering Department
Department Responsible for the Course	Basic Science and Engineering Department
Course Code	BAS 015
Year/ Level	2020-2021/Level zero
Specialization	major
Authorization date of course report	3/2021
Exam Committee Selection Rule	Commissioning of the Institute of Management
External Revision of Examination	--
Lecturers Number:	1

Teaching hours	Lectures	Exercise	laboratory	Student's load
	1	-	4	4

B. Specialized information:

1. Statistics

Subject		**No.**	**Percentage**
Students attending the course		351	100%
Students completing the course		351	100%
Results	**Passed**	288	82.05%
	Failed	63	17.95%
Grading of successful students	**Excellent**	61	21.18%
	Very Good	62	21.53%
	Good	56	19.44%
	Pass	109	37.85%

2. Course Teaching:

No.	Topics	Lecture	Exercise	laboratory	Student load
1	Techniques and skills of engineering drawing	1	-	4	
2	Engineering operations	1	-	4	
3	Orthogonal projection – Secondary orthogonal	2	-	8	

Annual Course Report:

Engineering Drawing and Projection (BAS015)

4	Intersections	1	-	4	
5	projections of simple bodies	1	-	4	
6	rules of writing dimensions	1	-	4	
7	Deduction of missing projections	1	-	4	
8	Drawing of engineering sections.	1	-	4	
9	Steel frames	2	-	8	
10	Introduction to AutoCAD Fundamentals of engineering drafting by way of computer aided drawing (CAD) software. Basic features and capabilities of CAD software and drafting fundamentals including orthographic projection, and isometric pictorials, part dimensioning in 2 dimensional drawings.	3	-	12	
Total		14		56	

- Topics taught as a percentage of the content specified: 100%
- Lecturers commitment of the course content 90%
- Coverage of exam topics to course content: 95%

- Used Teaching and Learning Methods

No.	Teaching Methods
1	Lectures
2	Discussion sessions
3	Information collection from different sources
4	Research assignment

- Student Assessment:

No.	Evaluation Method	Marks
1	Periodic exams	20
2	Practical examination	10
3	Student load	20

4	Final-term examination	75
Total		125

3. Facilities Required for Teaching and Learning:

No.	Facility
1	Lecture classroom
2	Presenter
3	White board
4	Data show system
5	Wireless internet
6	Sound system

4- Administrative Constraints:

No.	Constraints
1	**None**

5- Student Evaluation Result of the Course:

No.	Evaluation Result
1	**86.72%**

6- Course enhancement suggestions

No.	Suggestions
2	Converting course from traditional course to particular online course

7- Comments from external evaluator(s) (if exists):

No.	Comments
1	-

Annual Course Report:

Engineering Drawing and Projection (BAS015)

8- What has been implemented of the student's suggestions in the previous year?

No.	Suggestions
2	Provide training on how to use a new teaching technology in their classes.

9- What has not been implemented of the suggestions (give reasons)?

No.	Suggestions	Reasons
1	none	None

10- Action plan for previous year

No.	Areas of development	Description of development	Completion date	Person responsible
1	Increase some of scientific reference in the library of the institute	Add more books in the electronic library of institute	2020-2021	Institute management

11- Action plan for next academic year

No.	Areas of development	Description of development	Completion date	Person responsible
1	Increase number of AutoCAD drawings	Increase AutoCAD exercises	2021-2022	Dr. Moataz Mostafa

Course Coordinator: Dr. Moataz Mostafa
Head of Department: Assoc. Prof. Dr. Khaled Samir
Date of Approval: 2021

Annual Course Report:
Introduction to computer systems (BAS016)

A. Basic Information

Program Title	Basic Sciences and Engineering Department
Department offering the Program	Basic Sciences and Engineering Department
Department Responsible for the Course	Basic Sciences and Engineering Department
Course Code	BAS016
Year/ Level	Level 0-first term
Specialization	Major
Authorization date of course report	2/2021
Exam Committee Selection Rule	Commissioning of the Institute of Management
External Revision of Examination	--
Lecturers Number:	1

Teaching hours	Lectures	Exercise	laboratory	Student's load
	2	-	2	4

B. Specialized information:
1. Statistics

Subject		**No.**	**Percentage**
Students attending the course		390	100%
Students completing the course		390	100%
Results	**Passed**	284	72.8%
	Failed	106	27.2%
Grading of successful students	**Excellent**	38	9.7%
	Very Good	37	.9.5%
	Good	65	16.6%
	Pass	144	36.92

2. Topics actually taught:

No.	Topics	Lecture	Exercise	laboratory	Student load
1	Computer architecture. practical: Visual Studio C# Interface	1	-	2	3
	Writing simple statements				
2	Computer systems Practical: Variables, Data type	2	-	4	6
3	Files systems Practical: Input & Output	1	-	2	3
4	Computer networks Practical: Conditional Statements	2	-	4	6

Annual Course Report:

Introduction to computer systems (BAS016)

5	Internet networks Practical:Arrays	2	-	4	6
6	Data systems and information technology Practical: Loop Statement (For, while & do - while)	2	-	4	6
7	Computer graphics – Multimedia systems Practical: Loop Statement (For, while & do - while)	1	-	2	3
8	Methods of solving problems and logical design for the programs and matrices. Practical: Nested loop	2	-	4	6
9	Engineering applications in programming using one structured programming language. Practical: Engineering Case Study.	1	-	2	3
Total		14		28	56

- Topics taught as a percentage of the content specified: 95 %
- Lecturers' commitment of the course content: 98 %
- Coverage of exam topics to course content: 95 **%**

Annual Course Report:
Introduction to computer systems (BAS016)

3. Used Teaching and Learning Methods

No.	Teaching Methods
1	Lectures
2	Discussion sessions
3	Practical part
4	Information collection from different sources
5	Research assignment
6	**Practical training/lab**

- Student Assessment:

No.	Evaluation Method	Marks
1	Periodic exams	20
2	final examination	50
3	Practical examination	10
4	Student load	20
Total		100

3 Facilities Required for Teaching and Learning:

No.	Facility
1	Lecture classroom
2	Computer lab
3	Presenter
4	White board
5	Data show system
6	Wireless internet
7	Sound system

Annual Course Report:
Introduction to computer systems (BAS016)

4- Administrative Constraints:

No.	Constraints
1	**None**

5- Student Evaluation Result of the Course:

No.	Evaluation Result
1	84.39%

6- Course enhancement suggestions

No.	Suggestions
1	**Increase some of scientific reference in the library of the institute**

7- Comments from external evaluator(s) (if exists):

No.	Comments
1	

9- What has not been implemented of the suggestions (give reasons)?

No.	Suggestions
1	**---**

10- Action plan for previous academic year

No.	Areas of development	Description of development	Completion date	Person responsible
1	**Self-learning**	**Enhance searching**	2020-2021	Staff

11- Action plan for next academic year

Annual Course Report:

Introduction to computer systems (BAS016)

No.	Areas of development	Description of development	Completion date	Person responsible
1	Establish an effective electronic lesson.	E-learning makes the discussion open on the topics presented, as there is no fear or tension, as their opinions are sent via electronic technology.	2021-2022	Dr. Amira Al-sonbaty

Course Coordinator: Dr. Amira Al-sonbaty
Head of Department: Dr. Khaled Samir
Date of Approval: 2021

Ministry of Higher Education
The Higher Institute of
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New Damietta

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Annual Course Report:

Mathematics 2 (BAS021)

A. Basic Information:

Program Title	All programs
Department Offering the Program	Basic Science and Engineering Department
Department Responsible for the Course	Basic Science and Engineering Department
Course Title	Mathematics 2
Course Code	BAS021
Year/Level	Level: 0
Specialization	Major
Authorization Date of Course Specification	7/2021
Exam Committee Selection Rule	Commissioning of the Institute of Management
External Revision of Examination	--
Lecturers Number:	1

Teaching hours	Lectures	Exercise	laboratory	Student's load
	2	2	-	4

B. Specialized information:

1. Statistics

Subject		**No.**	**Percentage**
Students attending the course		338	100%
Students completing the course		338	100%
Results	**Passed**	257	76.04%
	Failed	81	23.96%
Grading of successful students	**Excellent**	103	40.08%
	Very Good	51	19.84%
	Good	39	15.18%
	Pass	64	24.9%

2. Course Teaching:

No.	Topics	Lecture	Exercise	laboratory	Student load
1	equations of second degree and double equation for two straight lines - movement and rotation of axes - groups of unified axes circles	4	4	-	8
2	conical sectors (properties of conical sectors - parabola - ellipse - hyperbola)	6	6	-	12

Annual Course Report:

Mathematics 2 (BAS021)

3	analytical geometry in space - Cartesian coordinates - cylindrical - spherical	2	2	-	4
4	Plane in space - equations of surfaces in second order - rotation and movement of axes in space.	2	2	-	4
5	indefinite integration (basic functions - theories) - method of integration (direct - indirect)	6	6	-	12
6	- definite integration (definition - properties - theories) -	4	4	-	8
7	applications of definite integration (plain areas - circular volumes - plain technical length)	2	2	-	4
8	Areas - circular surfaces - numerical integration.	2	2	-	4
Total		28	28	-	56

- Topics taught as a percentage of the content specified: 95 %
- Lecturers commitment of the course content: 95 %
- Coverage of exam topics to course content: 95 %
- Used Teaching and Learning Methods

No.	Teaching Method	Choice
1	Lectures	√
2	Discussion Sessions	×
3	Information Collection from Different Sources	√
4	Practical	
5	Research Assignment	x
6	Field Visits	×
7	Case Studies	x
8	Smart Sessions	×
9	…	×

- Student Assessment:

No.	Evaluation Method	Marks
1	Periodic exams	30
2	Student load	30

Annual Course Report:

Mathematics 2 (BAS021)

3	Final term examination	90
Total		150

3. Facilities Required for Teaching and Learning:

No.	Facility	Choice
1	Lecture Classroom	√
2	Lab Facilities	√
3	White Board	√
4	Data Show System	√
5	Visualizer	×
6	Smart Board	×

No.	Facility	Choice
7	Wireless Board	×
8	Presenter	×
9	Sound System	√
10	Wire-Internet	x
11	Wireless Internet	√
12	…	×

4- Administrative Constraints:

No.	Constraints
1	**None**

5- Student Evaluation Result of the Course:

No.	Evaluation Result
1	**88.56%**

6- Course enhancement suggestions

No.	Suggestions
1	**Using online course material**

7- Comments from external evaluator(s) (if exists):

No.	Comments
1	**References need update**

8- What has been implemented of the student's suggestions in the previous year?

No.	Suggestions
1	**Provide training on how to use a new teaching technology in their classes.**

9- What has not been implemented of the suggestions (give reasons)?

No.	Suggestions	Reasons
1	-	-

Annual Course Report:

Mathematics 2 (BAS021)

10- Action plan for next academic year

No.	Areas of development	Description of development	Completion date	Person responsible
1	**Add more references in institute library**	**Purchase more references**	**2020-2021**	**Dr. Amal Behairy**

11- Action plan for next academic year

No.	Areas of development	Description of development	Completion date	Person responsible
1	**Add online course material to student**	**-add course notes , assignments and Quizzes on moodle**	**2021-2022**	**Dr. Reda Abdo**

Course Coordinator: Dr / Reda Abdo
Head of Department: Asso.prof.Khaled Samir
Date of Approval: 2021

Annual course Report
Mechanics 2
BAS022

A. Basic Information

Program Title	All programs
Department offering the Program	Basic Sciences and Engineering Department
Department Responsible for the Course	Basic Sciences and Engineering Department
Course Code	BAS022
Year/ Level	Level: 0
Specialization	Major
Authorization data of course report	7/2021
Exam Committee Selection Rule	Dr. Moataz Mostafa
External Revision of Examination	--
Lecturers Number:	1

Teaching hours	Lectures	Exercise	laboratory	Student's load
	2	2	-	4

B. Specialized information:
1. Statistics

Subject		**No.**	**Percentage**
Students attending the course		408	100%
Students completing the course		382	93.4 %
Results	**Passed**	307	75.2%
	Failed	101	24.8%
Grading of successful students	**Excellent**	113	28%
	Very Good	52	13.19%
	Good	35	8.6%
	Pass	107	26%

2. Course Teaching:

No.	Topics	Lecture	Exercise	laboratory	Student load
1	Position, Displacement, Velocity, and Acceleration of particle	4	4	-	8
2	Plane Motion Path of Particle	2	2	-	4
3	Description of plane motion using Cartesian axes	2	2	-	4
4	Projectiles	2	2	-	4
5	Relative motion between particles	2	2	-	4
6	Motion for particle in circular path	2	2	-	4

Annual course Report
Mechanics 2
BAS022

7	Newton's second law of motion	4	4	-	8
8	Principle of work and energy of motion	4	4	-	8
9	Principle of conservation of mechanical energy	2	2		4
10	Principle of Impulse and Momentum of rigid body	4	4		8
Total		28	28	-	56

- Topics taught as a percentage of the content specified: 90 %
- Lecturers commitment of the course content: 93 %
- Used Teaching and Learning Methods

No.	Teaching Method	Choice
1	Lectures	√
2	Discussion Sessions	×
3	Information Collection from Different Sources	√
4	Practical	x
5	Research Assignment	x
6	Field Visits	×
7	Case Studies	x
8	Smart Sessions	×

- Student Assessment:

No.	Evaluation Method	Marks
1	Periodic exams	20
2	Student load	20
3	Final term examination	60
Total		100

3. Facilities Required for Teaching and Learning:

No.	Facility	Choice
1	Lecture Classroom	√
2	Lab Facilities	√
3	White Board	√
4	Data Show System	√
5	Visualizer	×
6	Smart Board	×

No.	Facility	Choice
7	Wireless Board	×
8	Presenter	×
9	Sound System	√
10	Wire-Internet	x
11	Wireless Internet	√
12	…	×

4- Administrative Constraints:

No.	Constraints
1	**None**

Annual course Report
Mechanics 2
BAS022

5- Student Evaluation Result of the Course:

No.	Evaluation Result
1	87.33%

6- Course enhancement suggestions

No.	Suggestions
1	Improve lecture notes
2	Integrating work experiences with education.

7- Comments from external evaluator(s) (if exists):

No.	Comments
1	**References need update**

8- What has been implemented of the student's suggestions in the previous year?

No.	Suggestions
1	Using online course material.
2	Provide training on how to use a new teaching technology in their classes.

9- What has not been implemented of the suggestions (give reasons)?

No.	Suggestions	Reasons
1	**References need update**	

10- Action plan for previous academic year

No.	Areas of development	Description of development	Completion date	Person responsible
1	Increase some of scientific reference in the library of the institute	Add more books in the electronic library of institute	2020-2021	Institute management

11- Action plan for next academic year

No.	Areas of development	Description of development	Completion date	Person responsible
1	Students do presentations during the semester	Students do presentations during the semester	2021-2022	Institute management

Course Coordinator: Dr. Moataz Mostafa

Head of Department: Assoc. Prof. Dr. Khalid Samir

Date of Approval: 2021

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Annual Course Report

Physics 2

BAS023

A. Basic Information

Program Title	All programs
Department offering the Program	Basic Science and Engineering Department
Department Responsible for the Course	Basic Science and Engineering Department
Course Code	BAS023
Level / Semester	0^{th} Level / 2^{nd} Semester
Specialization	Major
Authorization date of course report	5/2021
Exam Committee Selection Rule	Commissioning of the Institute Management
External Revision of Examination	--
Lecturers Number	2

Teaching hours	Lectures	Exercise	laboratory	Student's load
	2	2	2	4

B. Specialized information:

1. Statistics

Subject		No.	Percentage
Students attending the course		342	100%
Students completing the course		327	95.61%
Results	**Passed**	232	67.84%
	Failed	110	32.16%
Grading of successful students	**Excellent**	38	16.38%
	Very Good	42	18.1%
	Good	46	19.83%
	Pass	106	45.69%

2. Course Teaching:

No.	Topics	Lecture	Exercise	laboratory	Student load
1	Basic of electricity. in devices measurement Practical: electrical conductivity.	2	2	4	4
2	Column's law and Gauss's law. Practical: sensitivity of galvanometer.	4	4	2	8
3	Capacitors and capacitance. Practical: capacitors and capacitance	2	2	2	4

Annual Course Report

Physics 2

BAS023

4	Currents and Resistance. Practical: ohm's law - series connection &parallel connection& resistance colour code& meter bridge - voltmeter resistance.	4	4	10	8
5	Magnetic field and magnetic force. Practical: the inverse square law in magnetism.	4	4	2	8
6	The nature and propagation of light. Practical: the glass prism.	4	4	2	8
7	Optical fiber. Practical: the glass prism.	2	2	2	4
8	Introduction to Quantum theory.	2	2	0	4
9	Laser. Practical:	2	2	0	4
10	Lenses and mirrors. and mirrors spherometer- Practical: lenses.	2	2	4	4
Total		28	28	28	56

- Topics taught as a percentage of the content specified: 100 %
- Lecturers commitment of the course content 95 %
- Coverage of exam topics to course content:96 %

- Used Teaching and Learning Methods

No.	Teaching Methods
1	Lectures
2	Discussion sessions
3	Information collection from different sources
4	Research assignment

- Student Assessment:

No.	Evaluation Method	Marks
1	Periodic exams	30
2	final examination	75
3	Practical examination	15

Annual Course Report

Physics 2

BAS023

4	Student load	30
	Total	150

3. Facilities Required for Teaching and Learning:

No.	Facility
1	Lecture classroom
2	Laboratory
3	Presenter
4	White board
5	Data show system

4- Administrative Constraints:

No.	Constraints
1	**None**

5- Student Evaluation Result of the Course:

No.	Evaluation Result
1	**83.45%**

6- Course enhancement suggestions

No.	Suggestions
1	Provide training on how to use a new teaching technology in their classes.

7- Comments from external evaluator(s) (if exists):

No.	Comments
1	-

8- What has been implemented of the student's suggestions in the previous year?

No.	Suggestions
1	Using online course material.

9- What has not been implemented of the suggestions (give reasons)?

No.	Suggestions	Reasons
1	-	

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Annual Course Report

Physics 2

BAS023

10- Action plan for previous academic year

No.	Areas of development	Description of development	Completion date	Person responsible
1	Add online material	Add online material to moodle	2020-2021	Dr. Amal Behairy Dr. Ahmed Lotfy

11- Action plan for next academic year

No.	Areas of development	Description of development	Completion date	Person responsible
1	Increase some of scientific reference In the library of the institute	Add more physics books in the electronic library of the institute	2021-2022	Dr. Amal Behairy Dr. Ahmed Lotfy

Course Coordinator: Dr / Amal Behairy Dr / Ahmed Lotfy
Head of Department: Assoc. Prof. Khaled Samir

Date of Approval: 2021

Annual Course Report
Production Engineering
BAS024

A. Basic Information

Program Title	All Programs
Department Offering the Program	Basic Science and Engineering Department
Department Responsible for the Course	Basic Science and Engineering Department
Course Title	Production Engineering
Course Code	BAS024
Year/Level	Level 0
Specialization	Major
Authorization Date of Course Specification	7/2021
Exam Committee Selection Rule	Commissioning of the Institute Management
External Revision of Examination	--
Lecturers Number	1

Teaching hours	Lectures	Exercise	laboratory	Student's load
	3	-	2	4

B. Specialized information:

1. Statistics

Subject		**No.**	**Percentage**
Students attending the course		341	100%
Students completing the course		324	95.01%
Results	**Passed**	254	74.49%
	Failed	87	25.5%
Grading of successful students	**Excellent**	36	14.17%
	Very Good	35	13.77%
	Good	77	30.31%
	Pass	106	41.73%

2. Course Teaching:

No.	Topics	Lecture	Exercise	laboratory	Student load
1	The engineering substances and its properties Practical: engineering materials	3	-	2	4
2	Heating and cooling diagrams Practical: iron and steel production	3	-	2	4
3	Heating equilibrium diagrams Practical : heat treatment	3	-	2	4

Annual Course Report
Production Engineering
BAS024

4	Alloys - Casting operation (sand casting and the preparation of the mold) Practical: metal casting & mold for a sand casting& carpenter workshop	6	-	4	4
5	Forming processes (cold and hot forming: forging rolling – Wire drawing – Blanking and piercing - Deep drawing - The extrusion) Practical: metal forming	6	-	4	4
6	Processes of metal connections (the riveting – welding with its types sticking) Practical: metal joining process	6	-	2	4
7	Cutting machining: Lathing - Shaping – Drilling –Milling - Grinding – Work Piece fixation - Cutting tools fixation - Specifications of the operating machine) Practical: carpenter workshop	6	-	2	4
8	Methods of solving problems Practical: metal machining	3	-	2	4
9	Measuring tools (venire caliper – micrometers and its types) Practical: measurement tools	3	-	4	8
10	Production cycle	3	-	4	
	production efficiency - Industrial safety Practical training in the different workshops				8
Total		42	-	28	56

- Topics taught as a percentage of the content specified: 100%
- Lecturers commitment of the course content 100%
- Coverage of exam topics to course content: 100%

- Used Teaching and Learning Methods

No.	Teaching Methods
1	Lectures
2	Discussion sessions
3	Information collection from different sources
4	practical
5	Research assignment
6	Case study

- Student Assessment:

No.	Evaluation Method	Marks
1	Periodic exams	20

2	final examination	75
3	Practical examination	10
4	Student load	20
	Total	125

3. Facilities Required for Teaching and Learning:

No.	Facility
1	Lecture classroom
2	Presenter
3	White board
4	Data show system
5	Wireless internet
6	Sound system

4- Administrative Constraints:

No.	Constraints
1	**None**

5- Student Evaluation Result of the Course:

No.	Evaluation Result
1	78.82%

6- Course enhancement suggestions

No.	Suggestions
1	Improve lecture notes
2	Integrating work experiences with education.
3	Transplant And Assess Pedagogy Utilizing Such Technologies To Enhance Students' Learning.

7- Comments from external evaluator(s) (if exists):

No.	Comments
1	**References need update**

8- What has been implemented of the student's suggestions in the previous year?

No.	Suggestions
1	Using online course material.
2	Provide training on how to use a new teaching technology in their classes.

Annual Course Report
Production Engineering
BAS024

9- What has not been implemented of the suggestions (give reasons)?

No.	Suggestions	Reasons
1	----------	

10- Action plan for previous academic year

No.	Areas of development	Description of development	Completion date	Person responsible
1	increase some of scientific reference in the library of the institute I	Add more books in the electronic library of institute	2020-2021	Institute management

11- Action plan for next academic year

No.	Areas of development	Description of development	Completion date	Person responsible
1	Updating the course's educational resources		2021-2022	staff
2	-Increase Case studies implementation according to social's needed	1- Divided Students' groups 2- Evaluation projects		Staff

Course Coordinator: Dr.Abdu El-Naquib
Head of Department: Assoc. Prof. Dr. Khaled Samir
Date of Approval: 5/2021

Annual Course Report

Introduction to Engineering and Environment

BAS025

A. Basic Information

Program Title	All programs
Department offering the Program	Basic Science and Engineering Department
Department Responsible for the Course	Basic Science and Engineering Department
Course title	Introduction to Engineering and Environment
Course Code	BAS025
Level / Semester	Zero level Second Semester
Specialization	Major
Authorization date of course report	7-2021
Exam Committee Selection Rule	Commissioning of the Institute of management
External Revision of Examination	--
Lecturers Number:	2

Teaching hours	Lectures	Exercise	laboratory	Student's load
	2	-	-	2

B. Specialized information:

1. Statistics

Subject		**No.**	**Percentage**
Students attending the course		343	100%
Students completing the course		341	99.12%
Results	**Passed**	219	63.85%
	Failed	124	36.15%
Grading of successful students	**Excellent**	22	6.41%
	Very Good	24	6.99%
	Good	45	13.12%
	Pass	128	37.31%

2. Course Teaching:

No.	Topics	Lecture	Exercise	laboratory	Student load
1	Engineering concepts: What is engineering – international classification for the engineering jobs – relation between engineering development and environment economic and social development – engineering branches – ethics of the engineering jobs.	10	-	-	10

Annual Course Report

Introduction to Engineering and Environment

BAS025

2	Introduction to environmental science: the importance of studying environmental science – modern technology and its effect on the environment – quality of the environment and development elements	2	-	-	2
3	sources of environmental pollution and method of control (air pollution – water pollution – solid wastes pollution –noise)	4	-	-	4
4	Economics of environmental pollution control – legislations for the environment protection.	12	-	-	12
Total		28	-	-	28

- Topics taught as a percentage of the content specified: 100 %
- Lecturers commitment of the course content: 100 %
- Coverage of exam topics to course content: 90 %

Used Teaching and Learning Methods

No.	Teaching Method	Choice
1	Lectures	√
2	Discussion Sessions	√
3	Information Collection from Different Sources	√
4	Practical	×
5	Research Assignment	√
6	Field Visits	×
7	Case Studies	√
8	Smart Sessions	×

Student Assessment:

No.	Evaluation Method	Marks
1	Periodic exams	10
2	Student load	15
3	Final-term examination	50
Total		75

3. Facilities Required for Teaching and Learning:

No.	Facility	Choice
1	Lecture Classroom	√
2	Lab Facilities	×
3	White Board	√

No.	Facility	Choice
7	Wireless Board	×
8	Presenter	√
9	Sound System	√

Annual Course Report

Introduction to Engineering and Environment

BAS025

4	Data Show System	√
5	Visualize	×
6	Smart Board	×

10	Wire-Internet	√
11	Wireless Internet	√
12	…	×

4- Administrative Constraints:

No.	Constraints
1	None

5- Student Evaluation Result of the Course:

No.	Evaluation Result
1	83.2%

6- Course enhancement suggestions

No.	Suggestions
1	Improve lecture notes
2	Integrating work experiences with education.
3	Transplant And Assess Pedagogy Utilizing Such Technologies To Enhance Students' Learning.

7- Comments from external evaluator(s) (if exists):

No.	Comments
1	**References need update**

8- What has been implemented of the student's suggestions in the previous year?

No.	Suggestions
1	Provide training on how to use a new teaching technology in their classes.

9- What has not been implemented of the suggestions (give reasons)?

No.	Suggestions	Reasons
1	Field visiting	Covid - 19

10- Action plan for previous academic year

No.	Areas of development	Description of development	Completion date	Person responsible
1	Students make a presentation on the environment and factory damage.	Many reports and presentations have been submitted	2020-2021	Institute management

11- Action plan for next academic year

No.	Areas of development	Description of development	Completion date	Person responsible

Annual Course Report

Introduction to Engineering and Environment

BAS025

1	Increase some of scientific reference In the library of the institute	Add more scientific reference In the electronic library of the institute	2021-2022	Institute management
2	Visit some water treatment plant and renewable energy.	Provide field visits	2021-2022	Institute management

Course Coordinator: Prof. Dr./ Osamy Rageh

Assoc. Prof. Dr. Ramadan Elkateb

Head of Department: Assoc. Prof. Dr. Khaled Samir

Date of Approval: 2021

Annual Course Report
Technical English Language 1
BAS026

A. Basic Information

Program Title	All programs
Department offering the Program	Basic science and Engineering Department
Department Responsible for the Course	Basic Science and Engineering Department
Course Code	BAS026
Year/ Level	2020-2021/Level 0
Specialization	major
Authorization date of course report	7/2021
Exam Committee Selection Rule	Commissioning of the Institute of Management
External Revision of Examination	--
Lecturers Number:	1

Teaching hours	Lectures	Exercise	laboratory	Student's load
	2	-	2	3

B. Specialized information:

1. Statistics

Subject		**Percentage**
Students attending the course		100
Students completing the course		100
Results	**Passed**	83.14
	Failed	16.86
Grading of successful students	**Excellent**	4.4
	Very Good	15.1
	Good	24.6
	Pass	39.1

Annual Course Report
Technical English Language 1
BAS026

2. Course Teaching:

No.	Topics	Lecture	Exercise	laboratory	Student load
1	Engineering Lab.: skills in English Lesson 1 Bob's Day at work & Lesson 2 Bob returns home with bad news	6	-	6	3
2	A private flat Lab.: skills in English Lesson 3 Ted's Day at school	2	-	2	6
3	Book shelves Lab.: skills in English Lesson 4 Nicole's day at school	2	-	2	3
4	Bridges Lab.: skills in English Lesson 5 Ted goes out for the evening Grammar Topics	4	-	4	6
5	Reinforced concrete Lab.: skills in English Lesson 6 Susan stays home and bake cookies & Lesson 7 Susan hires Bob to run her own business	4	-	4	6
6	Surveying Lab.: skills in English Lesson 8 Ted forms a rock band & Lesson 9 Nicole for president	4	-	4	6
7	Hydraulic works Lab.: skills in English Lesson 10 Bob visits the village market	4	-	4	6
8	Soil mechanics and foundations Lab.: skills in English Grammar topics	2		2	6
Total		**28**	**-**	**28**	**42**

Annual Course Report
Technical English Language 1
BAS026

- Topics taught as a percentage of the content specified: 90%
- Lecturers commitment of the course content: 100 %
- Coverage of exam topics to course content: 95%
- Used Teaching and Learning Methods

No.	Teaching Method	Choice
1	Lectures	√
2	Discussion Sessions	×
3	Information Collection from Different Sources	√
4	Practical	√
5	Research Assignment	x
6	Field Visits	×
7	Case Studies	x
8	Smart Sessions	×
9	…	×

- Student Assessment:

No.	Evaluation Method	Marks
1	Periodic exams	20
2	Practical examination	10
3	Student load	20
4	Final-term examination	50
Total		100

3. Facilities Required for Teaching and Learning:

No.	Facility	Choice
1	Lecture Classroom	√
2	Lab Facilities	√
3	White Board	√
4	Data Show System	√

No.	Facility	Choice
7	Wireless Board	×
8	Presenter	×
9	Sound System	√
10	Wire-Internet	x

Annual Course Report
Technical English Language 1
BAS026

5	Visualizer	×	11	Wireless Internet	√
6	Smart Board	×	12	…	×

4- Administrative Constraints:

No.	Constraints
1	**None**

5- Student Evaluation Result of the Course:

No.	Evaluation Result
1	**82.82%**

6- Course enhancement suggestions

No.	Suggestions
1	**Improve lecture notes**
2	**Integrating work experiences with education.**

7- Comments from external evaluator(s) (if exists):

No.	Comments
1	**Reference need update**

8- What has been implemented of the student's suggestions in the previous year?

No.	Suggestions
1	

9- What has not been implemented of the suggestions (give reasons)?

No.	Suggestions	Reasons

Annual Course Report
Technical English Language 1
BAS026

10- Action plan for this academic year

No.	Areas of development	Description of development	Completion date	Person responsible
1	Increase some English reference in the library of the institute	Add more English books in the library of institute	2020-2021	Institute management

11- Action plan for next academic year

No.	Areas of development	Description of development	Completion date	Person responsible
1	Students make a presentation during the semester.	Students do research using the internet.	2021-2022	Institute management

Course Coordinator: Dr.Doaa Elsherbiny
Head of Department: Assoc. Prof. Dr.Khaled samir
Date of Approval : 2021

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Annual Course Report

Human Rights

BAS027

A. Basic Information

Program Title	All programs
Department offering the Program	Basic Science and Engineering Department
Department Responsible for the Course	Basic Science and Engineering Department
Course Code	BAS027
Year/ Level	2020-2021/Level zero
Specialization	Major
Authorization date of course report	6/2021
Exam Committee Selection Rule	Commissioning of the Institute of Management
External Revision of Examination	--
Lecturers Number:	1

Teaching hours	Lectures	Exercise	laboratory	Student's load
	2	-	-	2

B. Specialized information:

1. Statistics

Subject		**No.**	**Percentage**
Students attending the course		344	100%
Students completing the course		329	95.6%
Results	**Passed**	329	95.6%
	Failed	0	0.0%
Grading of successful students	**Excellent**	213	64.7%
	Very Good	80	24.3%
	Good	28	8.5%
	Pass	6	1.8%

2. Course Teaching:

No.	Topics	Lecture	Exercise	laboratory	Student load
1	الإلمام بأهمية حقوق الإنسان والنشأة التاريخية لتلك الحقوق والمدارس الفقهية لتأصيل تلك الحقوق.	2	-	-	2
2	أحكام الاتفاقيات الدولية الخاصة بحقوق الإنسان				

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BAS027

	،والمنظمات الدولية العالمية والإقليمية القائمة على حماية تلك الحقوق ، وموقف الدستور المصري من حقوق الإنسان ، والحماية القانونية لها على الصعيد الوطني والصعيد الدولي ، بالإضافة إلى حقوق الإنسان في الشريعة الإسلامية	4	-	-	4
3	الأصول التاريخية الفلسفية لحقوق الإنسان	4	-	-	4
	المصادرالدولية لحقوق الإنسان (العالمية والإقليمية) المصادرالوطنية لحقوق الإنسان				
4	الأجهزة العالمية القائمة على حماية حقوق الإنسان (أجهزة الأمم المتحدة) الحماية الوطنية لحقوق الإنسان	6	-	-	6
5	حقوق الإنسان في الشريعة الإسلامية عرض لبعض طوائف حقوق الإنسان	12	-	-	12
Total		28	-	-	28

- **Topics taught as a percentage of the content specified: 87 %**
- **Lecturers commitment of the course content: 100 %**
- **Coverage of exam topics to course content: 93 %**
- **Used Teaching and Learning Methods**

No.	Teaching Method	Choice
1	Lectures	√
2	Discussion Sessions	√
3	Information Collection from Different Sources	√
4	Practical	x
5	Research Assignment	√
6	Field Visits	x
7	Case Studies	x
8	Smart Sessions	x
9	…	x

- **Student Assessment:**

No.	Evaluation Method	Marks
1	Periodic exams	10
2	Student load	5
3	Semester work	5

Annual Course Report

Human Rights

BAS027

4	Final-term examination	30
Total		50

3. Facilities Required for Teaching and Learning:

No.	Facility	Choice
1	Lecture Classroom	√
3	White Board	√
4	Data Show System	√
5	Visualizer	X
6	Smart Board	X

No.	Facility	Choice
7	Wireless Board	x
8	Sound System	√
9	Wire-Internet	x
10	Wireless Internet	√
11	…	x

4- Administrative Constraints:

No.	Constraints
1	**None**

5- Student Evaluation Result of the Course:

No.	Evaluation Result
1	**77.02%**

6- Course enhancement suggestions

No.	Suggestions
1	**Increase interactive lectures by making presentations presented by students**
2	

7- Comments from external evaluator(s) (if exists):

No.	Comments
1	**-----**

8- What has been implemented of the student's suggestions in the previous year?

No.	Suggestions
1	**Conduct an applied simulation of the curriculum on contemporary issues**

9- What has not been implemented of the suggestions (give reasons)?

No.	Suggestions	Reasons
1	**The above-mentioned suggestions have been implemented**	

Ministry of Higher Education
The Higher Institute of
Engineering and Technology
New Damietta

وزارة التعليم العالى
المعهد العالى للهندسة والتكنولوجيا
بدمياط الجديدة

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BAS027

10- Action plan for previous academic year

No.	Areas of development	Description of development	Completion date	Person responsible
1	Increase some reports and assignments	Increase some reports and assignments	2020-2021	Dr. Ibrahim Taha

11- Action plan for next academic year

No.	Areas of development	Description of development	Completion date	Person responsible
1	Increase interactive lectures by making presentations presented by students	Assigning students to make interactive presentations on curriculum topics	2021-2022	Dr. Ibrahim Taha

Course Coordinator: Dr. Ibrahim Taha

Head of Department: Associate prof. Aml El-Behiry

Date of Approval: 2021

وزارة التعليم العالي
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بدمياط الجديدة

قسم الهندسة الكيميائية

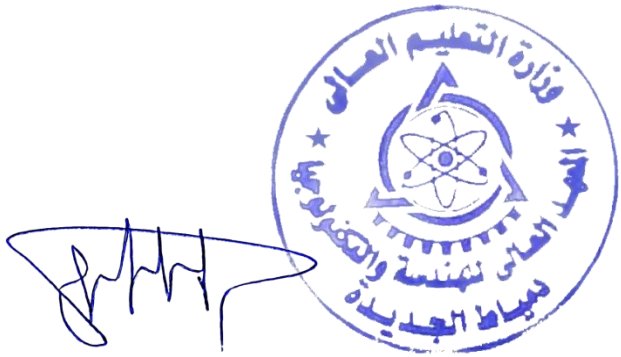
تقارير المقررات قسم الهندسة الكيميائية

إعتماد مجلس القسم لتقارير المقررات قسم الهندسة الكيميائية

بتاريخ 2021/8/23

إعتماد المجلس العلمي لتقارير المقررات قسم الهندسة الكيميائية

بتاريخ 2021/11/9



وزارة التعليم العالي
المعهد العالي للهندسة والتكنولوجيا
بدمياط الجديدة

2020- 2021

تقارير المقررات لقسم الهندسة الكيميائية

Head of the department	Quality Assurance Unit Manager	Dean of the institute
Assoc.Prof.Dr./ Hend Elsayed Gadow	Assoc.Prof.Dr./ Ramadan Abdelghany Elkateb	Prof.Dr./ Osami Elsaeed Rageh

وزارة التعليم العالي
المعهد العالي للهندسة والتكنولوجيا
بدمياط الجديدة

مستوى اول

Annual Course Report:

Mathematics 3

A. Basic Information:

Program Title	Chemical Engineering Program
Department Offering the Program	Basic Science and Engineering Department
Department Responsible for the Course	Basic Science and Engineering Department
Course Title	Mathematics 3
Course Code	BAS111
Year/Level	Level: 1
Specialization	Major
Exam Committee Selection Rule	Commissioning of the Institute Management
External Revision of Examination	--
Lecturers Number	1

Teaching hours	Lectures	Exercise	laboratory	Student's load
	2	2	-	4

B. Specialized information:

1. Statistics

Subject		Percentage
Students attending the course		100%
Students completing the course		100%
Results	**Passed**	90.16%
	Failed	9.84%
Grading of successful students	**Excellent**	7.2%
	Very Good	26.8%
	Good	23.2%
	Pass	42.7%

2. Course Teaching:

No.	Topics	Lecture	Exercise	laboratory	Student load
1	maximum and minimum values in more than one variable	2	2	-	8
2	directional analysis the directional differential effects	4	4	-	10

3	multi integrations and its applications (the curved and the orthogonal axis)	4	10	-	10
4	Gauss- Stokes theory - the endless series and function expansion – basic concepts for the convergence and divergence.	10	4	-	12
5	• The first order (the equations which can be separated, homogeneous, exact and linear) - the ordinary differential equations from the second order and higher orders (with constant and variable coefficients	4	4	-	8
6	systems from the ordinary differential equations– Laplace transfer and its applications in the solution of differential equations	4	4	-	8
Total		28	28	-	56

- Topics taught as a percentage of the content specified: 100 %
- Lecturers commitment of the course content: 100 %
- Coverage of exam topics to course content: 100 %
- Used Teaching and Learning Methods

No.	Teaching Method	Choice
1	Lectures	√
2	Discussion Sessions	×
3	Information Collection from Different Sources	√
4	Practical	
5	Research Assignment	x
6	Field Visits	×
7	Case Studies	x
8	Smart Sessions	×
9	…	×

- Student Assessment:

No.	Evaluation Method	Marks
1	Periodic exams	30
2	Student load	30
3	Final term examination	90
Total		150

3.Facilities Required for Teaching and Learning:

No.	Facility	Choice
1	Lecture Classroom	√
2	Lab Facilities	√
3	White Board	√
4	Data Show System	√
5	Visualizer	×
6	Smart Board	×

No.	Facility	Choice
7	Wireless Board	×
8	Presenter	×
9	Sound System	√
10	Wire-Internet	x
11	Wireless Internet	√
12	…	×

4- Administrative Constraints:

No.	Constraints
1	**None**

5- Student Evaluation Result of the Course:

No.	Evaluation Result
1	**71%**

6- Course enhancement suggestions

No.	Suggestions
1	**Integrating work experiences with education**
2	

7- Comments from external evaluator(s) (if exists):

No.	Comments
1	**References need update**

8- What has been implemented of the student's suggestions in the previous year?

No.	Suggestions
1	**Using online course material**

9- What has not been implemented of the suggestions (give reasons)?

No.	Suggestions	Reasons
1	More Exercises in the lecture	**The Tutorials more than enough to cover exercises**

10- What has been implemented from the action plan in the previous year?

No.	Action
1	**Adding some scientific reference in the electronic library of the institute.**

11- Action plan for next academic year

No.	Areas of development	Description of development	Completion date	Person responsible
1	يقوم الطلبة بعمل برزنتيشن اثناء الفصل الدراسي	يقوم الطلبة بعمل برزنتيشن اثناء الفصل الدراسي	2020-2021	Dr. Samar madian

Course Coordinator: Dr. Samar madian

Head of Department: Asso. prof. Amal Behairy

Date of Approval: 2021

Ministry of Higher Education
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وزارة التعليم العالى
المعهد العالى للهندسة والتكنولوجيا بدمياط الجديدة

Annual Course Report: Electrical Engineering Fundamentals

A. Basic Information

Program Title	Chemical Engineering Program
Department offering the Program	Basic Science and Engineering Department
Department Responsible for the Course	Basic Science and Engineering Department
Course Code	BAS112
Level / Semester	2nd Level / 1st Semester
Specialization	Major
Authorization date of course report	3/2021
Exam Committee Selection Rule	Commissioning of the Institute Management
External Revision of Examination	--
Lecturers Number	1

Teaching hours	Lectures	Exercise	laboratory	Student's load
	3	2	-	4

B. Specialized information:

1. Statistics

Subject		No.	Percentage
Students attending the course		224	100%
Students completing the course		216	96.42%
Results	**Passed**	216	76.6%
	Failed	28	23.4%
Grading of successful students	**Excellent**	10	4.4%
	Very Good	56	25%
	Good	66	29.46%
	Pass	84	37.5%

2. Course Teaching:

No.	Topics	Lecture	Exercise	laboratory	Student load
1	Direct Current	3	2	-	4
2	Theory of electric circuits	8	6	-	12
3	Delta and Star connections	2	1	-	2
4	Sine A.C and D.C circuits	8	5	-	10
5	Time vectors diagram	3	2	-	4
6	Electric power and power factor in A.C circuits	3	2	-	4
7	3-Phase current - Electric machines - D.C machines	6	4	-	8
8	Transformers	3	2	-	4
9	Induction and synchronous machines	3	2	-	4

Annual Course Report:
Electrical Engineering Fundamentals

10	Fractional power machine	3	2	-	4
	Total	42	28	-	56

- Topics taught as a percentage of the content specified: 80 %
- Lecturers commitment of the course content: 90%
- Coverage of exam topics to course content: 85 %

- Used Teaching and Learning Methods

No.	Teaching Methods
1	Lectures
2	Discussion sessions
3	Information collection from different sources
4	Research assignment
5	Practical training/lab

- Student Assessment:

No.	Evaluation Method	Marks
1	Periodic exams	30
2	Student load	30
3	final examination	90
	Total	150

3. Facilities Required for Teaching and Learning:

No.	Facility
1	Lecture classroom
2	Presenter
3	White board
4	Data show system
5	Wireless internet
6	Sound system

4- Administrative Constraints:

No.	Constraints
1	None

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Annual Course Report:
Electrical Engineering Fundamentals

5- Student Evaluation Result of the Course:

No.	Evaluation Result
1	**88.52%**

6- Course enhancement suggestions

No.	Suggestions
1	Improve lecture notes
2	Integrating work experiences with education.
3	Transplant And Assess Pedagogy Utilizing Such Technologies To Enhance Students' Learning.

7- Comments from external evaluator(s) (if exists):

No.	Comments
1	**The previous prerequisite is not mentioned**
2	**Proposal improvement in courses are similar despite their different nature**
3	**References need update**

8- What has been implemented of the student's suggestions in the previous year?

No.	Suggestions
1	Using online course material.
2	Provide training on how to use a new teaching technology in their classes.

9- What has not been implemented of the suggestions (give reasons)?

No.	Suggestions	Reasons
1	---------	--------

10- What has been implemented from the action plan in the previous year?

No.	Action
1	**Adding some scientific reference in the electronic library of the institute.**

11- Action plan for next academic year

No.	Areas of development	Description of development	Completion date	Person responsible
1	Add more Engineering applications	Series parallel resonance circuits	2021-2022	Institute management

Course Coordinator: Dr. Rabab Reda
Head of Department: Dr. Amira Elsonbaty
Date of Approval: 9/2021

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بدمياط الجديدة

Annual Course

Engineering Thermodynamics

A. Basic Information

Program Title	Chemical Engineering Program
Department offering the Program	Basic Science and Engineering Department
Department Responsible for the Course	Basic Science and Engineering Department
Course Code	BAS113
Level / Semester	Level 1 / 1st Semester
Specialization	Major
Authorization date of course report	2/2021
Exam Committee Selection Rule	DR/Abdelnaby Kabeel
External Revision of Examination	--
Lecturers Number	1

Teaching hours	**Lectures**	**Exer.**	**Contact**	**Student's load**
	2 hour / week	2 hour / week	5 hour / week	4 hour / week

B. Specialized information:

1. Statistics

Subject		**No.**	**Percentage**
Students attending the course		432	100%
Students completing the course		432	100%
Results	**Passed**	399	92.36%
	Failed	33	7.64%
Grading of successful students	**Excellent**	88	20.37%
	Very Good	105	24.31%
	Good	105	24.31%
	Pass	101	23.37%

2. Course Teaching:

No.	Topics	Lecture	Exercise	laboratory	Student load
1	Fundamental concepts - Properties of a pure substance	2	2	-	4
2	Equation of state -thermodynamic systems	2	2	-	4
3	Work and heat - First law of thermodynamics; Applications to Systems and Control Volumes	6	6	-	12

Annual Course

Engineering Thermodynamics

4	Second Law of Thermodynamics; Principle of Carnot cycles; Heat engines, Refrigerators and heat pumps	4	4	-	8
5	Principle of the increase of entropy	4	4	-	8
6	Applications to systems and control volumes	6	6	-	12
7	Irreversibility and availability - Power and refrigeration cycles.	4	4	-	8
Total		28	28	-	56

- Topics taught as a percentage of the content specified: 100%
- Lecturers commitment of the course content 100%
- Coverage of exam topics to course content: 100%

- Used Teaching and Learning Methods

No.	Teaching Methods
1	Lectures
2	Discussion sessions
3	Information collection from different sources
4	Research assignment

- Student Assessment:

No.	Evaluation Method	Marks
1	Periodic exams	20
2	final examination	75
3	Student load	20
4	Practical /oral	10
	Total	125

3. Facilities Required for Teaching and Learning:

No.	Facility
1	Lecture classroom
2	Presenter
3	White board
4	Data show system
5	Wireless internet

Annual Course

Engineering Thermodynamics

6	Sound system

4- Administrative Constraints:

No.	Constraints
1	**None**

5- Student Evaluation Result of the Course:

No.	Evaluation Result
1	**88.76%**

6- Course enhancement suggestions

No.	Suggestions
1	Improve lecture notes
2	Integrating work experiences with education.
3	Transplant And Assess Pedagogy Utilizing Such Technologies To Enhance Students' Learning.

7- Comments from external evaluator(s) (if exists):

No.	Comments
1	**References need update**

8- What has been implemented of the student's suggestions in the previous year?

No.	Suggestions
1	Using online course material.
2	Provide training on how to use a new teaching technology in their classes.

9- What has not been implemented of the suggestions (give reasons)?

No.	Suggestions	Reasons
1	**References need update**	--

10- What has been implemented from the action plan in the previous year?

No.	Action
1	**Adding some scientific reference in the electronic library of the institute.**

Annual Course

Engineering Thermodynamics

11- Action plan for next academic year

No.	Areas of development	Description of development	Completion date	Person responsible
1	يقوم الطلبة بعمل برزنتيشن اثناء الفصل الدراسي	يقوم الطلبة بعمل برزنتيشن اثناء الفصل الدراسي	2021-2022	Dr. Abdelnaby kabeel

Course Coordinator: Dr. Abdelnaby Kabeel
Head of Department: Assoc. Prof. Dr.Khaled Samir
Date of Approval: 2021

A. Basic Information

Program Title	Chemical Engineering program
Department offering the Program	Basic science and Engineering Department
Department Responsible for the Course	Basic Science and Engineering Department
Course Code	BAS 114
Year/ Level	2020-2021/Level 1
Specialization	major
Authorization date of course report	2/2021
Exam Committee Selection Rule	Commissioning of the Institute of Management
External Revision of Examination	--
Lecturers Number:	1

Teaching hours	Lectures	Exercise	laboratory	Student's load
	2	-	2	3

B. Specialized information:

1. Statistics

Subject		**Percentage**
Students attending the course		100
Students completing the course		100
Results	**Passed**	96.72
	Failed	8
Grading of successful students	**Excellent**	113
	Very Good	80
	Good	31
	Pass	12

2. Course Teaching:

No.	**Topics**	**Lecture**	**Exercise**	**laboratory**	**Student load**

1	Water Lab skills in English: Lesson 1 Bob drives a hard bargain& Lesson 2 Bob's big coolie order& grammar topics	4	-	4	3
2	Chemical and physical properties. Lab skills in English Lesson 3 Amber comes over to bake cookies & Lesson 4Amber and Ted heat up the kitchen& grammar topics	4	-	4	6
3	Water cycle Lab skills in English lesson 5 Nicole practices her election speech& grammar topics	2	-	2	3
4	Human uses Lab skills in English: Grammar topics	4	-	4	6
5	Heat transfer Lab skills in English lesson 6 Bob brings the cookies to the village market& lesson 7 Carol tells Bob the good news& grammar topics	4	-	4	6
6	Graphic language Lab skills in English: lesson 8 Every one bakes cookies & lesson 9 Nicole's close election & grammar topics	4	-	4	6
7	Energy Lab Skills in English lesson 10 Bob gets any angry call from Carol & Grammar topics	4	-	4	6
8	Automatic Control Lab Skills in English Grammar topics	2		2	6
Total		**28**	**-**	**28**	**42**

- Topics taught as a percentage of the content specified: 85%
- Lecturers commitment of the course content: 100 %
- Coverage of exam topics to course content: 80%
- Used Teaching and Learning Methods

No.	**Teaching Method**	**Choice**
1	Lectures	√
2	Discussion Sessions	×

3	Information Collection from Different Sources	√
4	Practical	√
5	Research Assignment	x
6	Field Visits	×
7	Case Studies	x
8	Smart Sessions	×
9	…	×

- Student Assessment:

No.	Evaluation Method	Marks
1	Periodic exams	20
2	Student load	20
3	Practical examination	10
4	Final term examination	50
Total		100

3. Facilities Required for Teaching and Learning:

No.	**Facility**	**Choice**	**No.**	**Facility**	**Choice**
1	Lecture Classroom	√	7	Wireless Board	×
2	Lab Facilities	√	8	Presenter	×
3	White Board	√	9	Sound System	√
4	Data Show System	√	10	Wire-Internet	x
5	Visualizer	×	11	Wireless Internet	√
6	Smart Board	×	12	…	×

4- Administrative Constraints:

No.	**Constraints**
1	**None**

5- Student Evaluation Result of the Course:

No.	Evaluation Result
1	**82,42**

6- Course enhancement suggestions

No.	Suggestions
1	**Improve lecture notes**
2	**Integrating work experiences with education.**

7- Comments from external evaluator(s) (if exists):

No.	Comments
1	**None**

8- What has been implemented of the student's suggestions in the previous year?

No.	Suggestions
1	**None**

9- What has not been implemented of the suggestions (give reasons)?

No.	Suggestions	Reasons
1	none	--

10- What has been implemented from the action plan in the previous year?

No.	Action
1	**Adding some scientific reference in the electronic library of the institute.**

11- Action plan for next academic year

No.	Areas of development	Description of development	Completion date	Person responsible
1	Adding a lot of English language books in the library of the institute.	By adding a lot of English language books which encourage students for reading .	2021-2022	Institute management

Course Coordinator: Dr. Doaa Elsherbiny

Head of Department: Asso. Prof.Dr. Khaled samir

Date of Approval:2021

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بدمياط الجديدة

Annual Course Report: Computer Programming

A. Basic Information

Program Title	Chemical Engineering program
Department offering the Program	Communication and Electronics Engineering
Department Responsible for the Course	Basic Sciences and Engineering
Course Code	**BAS115**
Year/ Level	Level 1
Specialization	Major
Authorization data of course report	5/2021
Exam Committee Selection Rule	Commissioning of the Institute Management
External Revision of Examination	--
Lecturers Number:	1

Teaching hours	Lectures	Exercise	laboratory	Student's load
	2	-	2	4

B. Specialized information:

1. Statistics

Subject		No.	Percentage
Students attending the course		153	100%
Students completing the course		152	99.35%
Results	**Passed**	119	77.78
	Failed	34	22.22
Grading of successful students	**Excellent**	1	0,65%
	Very Good	7	4,57%
	Good	35	22,88%
	Pass	76	49,7%

2. Course Teaching:

No.	Topics	Lecture	Exercise	laboratory	Student load
1	Basic concepts of programming. Practical: problem analysis& Developing the programs charts& Structured programming	2	-	2	4

Annual Course Report: Computer Programming

2	Introduction Java Applications Practical: Form of the Program& fundamentals of Java programming language and its syntax& Primitive data types, operators, variables &J option pane& scanner Classes.	4	-	4	8
3	Branching [Control Statements]. Practical: programs about (If statement, If - Else, Nested IF, Switch)	2	-	2	4
4	[Iterations] Control Statements. Practical: solved problems about (Repetition statements: for, while, dowhile& Nested loop &Continue, Break.)	4	-	4	8
5	Concepts of object Oriented programming Practical: Examples Of Classes, Inheritance Concept.	2	-	2	4
6	Methods in java. Practical: problems of (Declare method& Message passing& Method overloading)	2	-	2	4
7	Arrays and Array list Practical: Create Array& Matrix& Array List.	4	-	4	8
8	Introduction to java Applets. Practical: java Applets programs.	4	-	4	8
9	Graphical user interface (GUI). Practical: GUI exercises.				
Total		28	-	28	56

- Topics taught as a percentage of the content specified: 90 %
- Lecturers commitment of the course content: 90 %
- Coverage of exam topics to course content: 90 %
- Used Teaching and Learning Methods

No.	Teaching Methods
1	Hybrid learning (Lectures - E_learning)
2	Expeditionary Learning
3	Personalized Learning
4	Inquiry-based Learning
5	Cooperative learning

- Student Assessment:

Annual Course Report: Computer Programming

No.	Evaluation Method	Marks
1	Periodic exams	20
2	final examination	50
3	Practical examination	10
4	Student load	20
	Total	100

3. Facilities Required for Teaching and Learning:

No.	Facility	No.	Facility
1	Lecture classroom	4	Data show system
2	Presenter	5	Sound system
3	White board	6	Moodle

4- Administrative Constraints:

No.	Constraints
1	**None**

5- Student Evaluation Result of the Course:

No.	Evaluation Result
1	**87%**

6- Course enhancement suggestions

No.	Suggestions
1	Using online course material.
2	Provide training on how to use a new teaching technology in their classes.
3	Introducing recent topics to the course on a permanent and continuous basis

7- Comments from external evaluator(s) (if exists):

No.	Comments
1	Use of standardized teaching and learning model **(update)**
2	References need update **(update)**

8- What has been implemented of the student's suggestions in the previous year?

No.	Suggestions
1	The course is expanded from theoretical and software engineer views to include a piratical work view and increase field visits
2	Increase collaborative teaching to design programs.
3	Converting course from traditional course to particular online course

Annual Course Report: Computer Programming

9- What has not been implemented of the suggestions (give reasons)?

No.	Suggestions	Reasons
1	----------	--------

10- What has been implemented from the action plan in the previous year?

No.	Action
1	**Adding some scientific reference in the electronic library of the institute.**

11- Action plan for next academic year

No.	Areas of development	Description of development	Completion date	Person responsible
1	Review the course description and its vocabulary	Review and update Courses	At the beginning of the academic year	Scientific departments
2	Changing the course description (texts and questions)	Review and update Courses	During of the academic year	staff
3	Updating the course's educational resources		During of the academic year	staff
1	-Increase Field Visits -Increase Case studies implementation according to social's needed -increase students' projects	1- Divided Students' groups 2- Identify project names According social's needed and field visits 3- Using suitable program 4- Evaluation projects	One semesters	Staff

Course Coordinator: Dr. Amira El-Sonbaty
Head of Department: Dr. Amira El-Sonbaty
Date of Approval: 5/2021

Ministry of Higher Education
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Annual Course Report: Inorganic chemistry

A. Basic Information

Program Title	Chemical engineering
Department offering the Program	Chemical engineering department
Department Responsible for the Course	Chemical engineering department
Course Code	CHE 111
Year/ Level	One
Specialization	Major
Authorization data of course report	3/2021
Exam Committee Selection Rule	Commissioning of the Institute of Management
External Revision of Examination	--
Lecturers Number:	1

Teaching hours	Lectures	Exercise	laboratory	Student's load
	2	-	2	5

B. Specialized information:

1. Statistics

Subject		**Percentage**
Students attending the course		100%
Students completing the course		100%
Results	**Passed**	69.5%
	Failed	30.5%
Grading of successful students	**Excellent**	12%
	Very Good	10%
	Good	12.5%
	Pass	35%

2. Course Teaching:

No.	Topics	Lecture	Exercise	laboratory	Student load
1	Comparative study for the following groups of materials with focusing on the compounds which are important to the industry Practical • Introduction in investigation for Acidic and basic Radical in sample salts • Dilute HCL group Concentrated H_2SO_4 group	6	-	12	18
2	Chemical bonding	4	-	-	10

Annual Course Report: Inorganic chemistry

3	Representative elements (from Gr.1 to gr.7) Practical • Miscellaneous group • Scheme of identification of acidic radical • Investigation for Basic Radical in sample salts group Dil. HCL • Dil. HCL + H_2S group • NH_4OH + NH_4Cl group • NH_4OH + NH_4Cl + H_2S group	12	-	12	18
4	Nobel gases, Lanthanides and Actinides Practical • NH_4OH + NH_4Cl + $(NH_4)_2$ CO_3 group • Scheme of identification of basic Radical	6	-	4	10
Total		28	-	28	56

- Topics taught as a percentage of the content specified: 86%
- Lecturers commitment of the course content: 95%

Used Teaching and Learning Methods

No	Topics	Face-to-Face Lecture	Online Lecture	Flipped Classroom	Presentation and movies	Discussion	Problem solving	Brain storming	Projects	Site visits	Self-learning and Research	Cooperative	Discovering	Modeling	lab
1	Comparative study for the following groups of materials with focusing on the compounds which are important to the industry Practical Practical • Introduction in investigation for Acidic and basic	x	x								x				x

Annual Course Report: Inorganic chemistry

	Radical in sample salts • Dilute HCl group • Concentrated H2SO4 group														
2	Chemical bonding	x	x								x				x
3	Representative elements (from Gr.1 to gr.7) Practical • Miscellaneous group • Scheme of identification of acidic radical • Investigation for Basic Radical in sample salts group Dil. HCl	x	x								x				x
	• Dil. HCl + H_2S group • $NH_4OH + NH_4Cl$ group • NH4OH + NH4Cl + H2S group														
4	Nobel gases, Lanthanides and Actinides Practical • $NH_4OH + NH_4Cl + (NH_4)_2 CO_3$ group • Scheme of identification of basic Radical	x	x								x				x

- Student Assessment:

No.	Evaluation method	Marks
1	Periodic exams	20
2	Student load	20
3	Practical Examination	10
4	Final term examination	75
	Total	125

3. Facilities Required for Teaching and Learning:

No.	Facility	No.	Facility
1	Lecture classroom	5	Data show system

Annual Course Report: Inorganic chemistry

2	Presenter	6	Sound system
3	White board		
4	Lab		

4- Administrative Constraints:

Constraints
No Constraints.

5- Student Evaluation Result of the Course:

No.	Evaluation Result
1	**78%**

6- Course enhancement suggestions

No.	Suggestions
1	**Integrating work experiences with education.**
2	**Transplant And Assess Pedagogy Utilizing Such Technologies To Enhance Students' Learning.**

7- Comments from external evaluator(s) (if exists):

No.	Comments
1	**The experimental part is canceled from the fourteenth week and is distributed over the other weeks.**

8- What has been implemented of the student's suggestions in the previous year?

No.	Suggestions
1	**Provide training on how to use a new teaching technology in their classes.**

9- What has not been implemented of the suggestions (give reasons)?

No.	Suggestions	Reasons
1	**Using online course material.**	**Needing of extra internet system and smart boards**

10- What has been implemented from the action plan in the previous year?

No.	Suggestions
1	**Adding some scientific reference in the electronic library of the institute.**

Annual Course Report: Inorganic chemistry

11- Action plan for next academic year

No.	Areas of development	Description of development	Completion date	Person responsible
1	Increase some of scientific reference In the library of the institute	Add more scientific reference In the electronic library of the institute	2021-2022	Institute management
2	Visit some petrochemical laboratories.	Provide field visits	2021-2022	Institute management

Course Coordinator:Dr. Ramadan Elkateb

Head of Department:Ass. Asso.prof. Hend Elsayed Gadow

Date of Approval: 3/2021

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Annual Course Report: Mathematics 4

A. Basic Information:

Program Title	Chemical Engineering program
Department Offering the Program	Basic Science and Engineering Department
Department Responsible for the Course	Basic Science and Engineering Department
Course Title	Mathematics 4
Course Code	BAS121
Year/Level	Level: 1
Specialization	Major
Exam Committee Selection Rule	Commissioning of the Institute Management
External Revision of Examination	--
Lecturers Number	1

Teaching hours	Lectures	Exercise	laboratory	Student's load
	2	2	-	5

B. Specialized information:

1. Statistics

Subject		No.	Percentage
Students attending the course		332	100
Students completing the course		267	80.4
Results	**Passed**	215	80.42
	Failed	52	19.58
Grading of successful students	**Excellent**	39	14.5
	Very Good	36	13.6
	Good	42	15.7
	Pass	98	36.7

2. Course Teaching:

No.	Topics	Lecture	Exercise	laboratory	Student load
1	Special functions	4	4	-	8
2	Fourier series	2	2	-	4
3	periodic functions and Euler's laws	4	4	-	8
4	Fourier's integrations – solutions of the differential	2	2	-	8
5	equations by series - solving the partial differential equations using variables separation	2	2	-	4

Annual Course Report: Mathematics 4

6	Functions with complex variables – complex quantities algebra	2	2	-	4
7	multiple values functions - the analytical functions and Koshi's theorem	2	2	-	8
8	- the complex series	2	2	-	4
9	Taylor and Lorant series - the zeros, unique points and the rest - the infinite series.	8	8	-	8
Total		28	28	-	56

- Topics taught as a percentage of the content specified: 100 %
- Lecturers commitment of the course content: 100 %
- Coverage of exam topics to course content: 100 %
- Used Teaching and Learning Methods

No.	Teaching Method	Choice
1	Lectures	√
2	Discussion Sessions	×
3	Information Collection from Different Sources	√
4	Practical	
5	Research Assignment	x
6	Field Visits	×
7	Case Studies	x
8	Smart Sessions	×
9	…	×

- Student Assessment:

No.	Evaluation Method	Marks
1	Periodic exams	30
2	Student load	30
3	Final term examination	90
Total		150

3. Facilities Required for Teaching and Learning:

No.	Facility	Choice
1	Lecture Classroom	√
2	Lab Facilities	√
3	White Board	√
4	Data Show System	√
5	Visualizer	×
6	Smart Board	×

No.	Facility	Choice
7	Wireless Board	×
8	Presenter	×
9	Sound System	√
10	Wire-Internet	x
11	Wireless Internet	√
12	…	×

4- Administrative Constraints:

Annual Course Report: Mathematics 4

No.	Constraints
1	**None**

5- Student Evaluation Result of the Course:

No.	Evaluation Result
1	**63.56%**

6- Course enhancement suggestions

No.	Suggestions
1	**Integrating work experiences with education**
2	**Improve lecture notes**

7- Comments from external evaluator(s) (if exists):

No.	Comments
1	**References need update**

8- What has been implemented of the student's suggestions in the previous year?

No.	Suggestions
1	**Provide training on how to use a new teaching technology in their classes.**

9- What has not been implemented of the suggestions (give reasons)?

No.	Suggestions	Reasons
1	none	**none**

10- What has been implemented from the action plan in the previous year?

No.	Action
1	**Adding some scientific reference in the electronic library of the institute.**

Annual Course Report: Mathematics 4

11- Action plan for next academic year

No.	Areas of development	Description of development	Completion date	Person responsible
1	**Add online course material to student**	**-add course notes , assignments and Quizzes on moodle**	**2021-2022**	Dr. Samar Madian

Course Coordinator: Asso. prof. Samar Madian

Head of Department: Assoc. Prof. Khaled Samir

Date of Approval: 2021

Annual Course Report:

Technical Report Writing
(BAS122**)**

1- Basic Information:

Program Title	Chemical Engineering Program
Department Offering the Program	Basic Science and Engineering Department
Department Responsible for the Course	Basic Science and Engineering Department
Course Title	Technical Report Writing
Course Code	BAS122
Year/Level	Level 1
Specialization	Major
Exam Committee Selection Rule	Commissioning of the Institute Management
External Revision of Examination	--
Lecturers Number	1

Teaching hours	Lectures	Exercise	laboratory	Student's load
	2	-	2	4

B. Specialized information:

1. Statistics

Subject		**No.**	**Percentage**
Students attending the course		243	100%
Students completing the course		243	100%
Results	**Passed**	225	92.59%
	Failed	18	7.41%
Grading of successful students	**Excellent**	81	33.3%
	Very Good	52	21.3%
	Good	46	18.9%
	Pass	46	18.9%

2. Course Teaching:

No.	Topics	Lecture	Exercise	laboratory	Student load
1	Introduction to technical writing. ❖ Define a report, Types of reports, Aim ❖ Common concepts: clarity of Writing, Consistency ❖ Supporting Material Language rules (voice, tense) and Style	2	-	-	4

2	Common components of a technical report □ Organization of report sections Sections function and content	2	-	-	4
3	How to write a technical report ❖ Identify layout, Determine Audience ❖ Assign reference, add non text component ❖ Mechanics of report writing. Quantitative Writing	2	-	-	4
4	Equations, Tables and Figures	1	-	-	2
5	Literature citations	1	-	-	2
6	Using word processing for Writing Report	1	-	8	2
7	Creating slides with presentation graphics programs	1	-	4	2
8	MS Excel Application and power view report command	2	-	8	4
9	Database Report using MS SQL	2	-	8	4
Total		14	-	28	28

- Topics taught as a percentage of the content specified: 97%
- Lecturers commitment of the course content 97%
- Coverage of exam topics to course content: 97%

- Used Teaching and Learning Methods

No.	Teaching Methods
1	Lectures
2	Discussion sessions
3	Information collection from different sources
4	practical
5	Research assignment
6	Case study

- Student Assessment:

No.	Evaluation method	Marks
1	Periodic exams	20
2	final examination	60
4	Student load	20
Total		100

3. Facilities Required for Teaching and Learning:

No.	Facility
1	Lecture classroom
2	Presenter
3	White board
4	Data show system
5	Wireless internet
6	Sound system

4- Administrative Constraints:

No.	Constraints
1	**None**

5- Student Evaluation Result of the Course:

No.	Evaluation Result
1	**80.02%**

6- Course enhancement suggestions

No.	Suggestions
1	Increasing student interaction and participation when implementing the course.
2	Using online course material.
3	Increase collaborative teaching to solve practical tasks and increase field visits.

7- Comments from external evaluator(s) (if exists):

No.	Comments
1	**References need update.**

8- What has been implemented of the student's suggestions in the previous year?

No.	Suggestions
1	Integrating work experiences with education.

9- What has not been implemented of the suggestions (give reasons)?

No.	Suggestions	Reasons
1	----------	

10- Action plan for previous academic year

No.	Areas of development	Description of development	Completion date	Person responsible
1	Conducting training workshops to develop students' computer skills	Uploading more explanatory videos of the Introductions to Computer Systems on the electronic library of the Institute	During of the academic year	staff

11- Action plan for next academic year

No.	Areas of development	Description of development	Completion date	Person responsible
1	**Add online course material to student**	**-add course notes , assignments and Quizzes on moodle**	2021-2022	**Dr. Salah Dafea**

Course Coordinator: Dr. Salah Dafea
Head of Department: Associate prof. Khaled Samir
Date of Approval: 2021

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Annual Course Report: Introduction of Information Technology

A. Basic Information

Program Title	Chemical Engineering
Department offering the Program	Chemical Engineering Department
Department Responsible for the Course	Engineering and Basic Sciences
Course Code	BAS123
Year/ Level	Level 1
Specialization	Major
Authorization data of course report	5-2021
Exam Committee Selection Rule	Commissioning of the Institute Management
External Revision of Examination	--
Lecturers Number:	1

Teaching hours	Lectures	Exercise	laboratory	Student's load
	2	2	-	4

B. Specialized information:

1. Statistics

Subject		No.	Percentage
Students attending the course		62	100%
Students completing the course		59	95%
Results	**Passed**	41	66.13
	Failed	21	33.87
Grading of successful students	**Excellent**	2	3,23%
	Very Good	4	6,45%
	Good	12	19,35%
	Pass	23	37,1%

2. Course Teaching:

No.	Topics	Lecture	Exercise	laboratory	Student load
1	Introduction to information systems	4	4	-	8
2	Software and hardware used in information systems	6	6	-	12
3	Communication and Networks	4	4	-	8
4	Computer Networking	6	6	-	12
5	The internet; the foundations, Resources and uses of the internet, Emphasizing practical skills for finding, Reading and authorizing materials	4	4	-	8

Annual Course Report: Introduction of Information Technology

6	Privacy Security and Ethics	4	4	-	4
7	Web Design using HTML Language and applications	-	-	-	4
Total		28	28	-	56

- Topics taught as a percentage of the content specified: 90 %
- Lecturers commitment of the course content: 90 %
- Coverage of exam topics to course content: 90 %
- Used Teaching and Learning Methods

No.	Teaching Methods
1	Hybrid learning (Lectures - E_learning)
2	Expeditionary Learning
3	Personalized Learning
4	Inquiry-based Learning
5	Cooperative learning

- Student Assessment:

No.	Evaluation Method	Marks
1	Periodic exams	20
2	final examination	50
3	Practical examination	10
4	Student load	20
Total		100

3. Facilities Required for Teaching and Learning:

No.	Facility	No.	Facility
1	Lecture classroom	4	Data show system
2	Presenter	5	Sound system
3	White board	6	Moodle

4- Administrative Constraints:

No.	Constraints
1	**None**

5- Student Evaluation Result of the Course:

No.	Evaluation Result
1	**70%**

Annual Course Report: Introduction of Information Technology

6- Course enhancement suggestions

No.	Suggestions
1	Mention to sources, references and web sites to update the general material of the course.
2	Adding new applications and practical examples
3	Increasing student interaction and participation when implementing the course
4	-Increase Field Visits -Increase Case studies implementation according to social's needed -increase students' projects

7- Comments from external evaluator(s) (if exists):

No.	Comments
1	Use of standardized teaching and learning model **(update)**
2	References need update **(update)**

8- What has been implemented of the student's suggestions in the previous year?

No.	Suggestions
1	The course is expanded from theoretical and software engineer views to include a piratical work view and increase field visits
2	Increase collaborative teaching to design programs.
3	Converting course from traditional course to particular online course

9- What has not been implemented of the suggestions (give reasons)?

No.	Suggestions	Reasons
1	---------	----------

10- What has been implemented from the action plan in the previous year?

No.	Action
1	**Adding some scientific reference in the electronic library of the institute.**

11- Action plan for next academic year

No.	Areas of development	Description of development	Completion date	Person responsible
1	Review the course description and its vocabulary	Review and update Courses	At the beginning of the academic year	Scientific departments
2	Changing the course description (texts and questions)	Review and update Courses	During of the	staff

Annual Course Report: Introduction of Information Technology

			academic year	
3	Updating the course's educational resources		During of the academic year	staff
1	-Increase Field Visits -Increase Case studies implementation according to social's needed -increase students' projects	1- Divided Students' groups 2- Identify project names According social's needed and field visits 3- Using suitable program 4- Evaluation projects	One semesters	Staff

Course Coordinator: Dr. Amira El-Sonbaty
Head of Department: Dr. Amira El-Sonbaty
Date of Approval: 5/2021

A. Basic Information

Program Title	Chemical Engineering Program
Department offering the Program	Chemical Engineering Department
Department Responsible for the Course	Basic Science and Engineering Department
Course Code	BAS124
Level / Semester	level 1 / second semester
Specialization	Major
Authorization date of course report	8/2021
Exam Committee Selection Rule	Commissioning of the Institute Management
External Revision of Examination	--
Lecturers Number	1

Teaching hours	Lectures	Exercise	laboratory	Student's load
	2	2	-	4

B. Specialized information:

1. Statistics

Subject		**No.**	**Percentage**
Students attending the course		147	100%
Students completing the course		147	100%
Results	**Passed**	137	93.2%
	Failed	10	6.8%
Grading of successful students	**Excellent**	47	34.3%
	Very Good	51	37.2%
	Good	23	16.8%
	Pass	16	11.7%

2. Course Teaching:

No.	Topics	Lecture	Exercise	laboratory	Student load
1	Simple states of stress and strain	2	2	-	4
2	Tension and compression stress	4	4	-	8
3	Shear stress in bolts	4	4	-	8
4	Bending and shearing stresses in beams	4	4	-	8
5	Torsion stresses	2	2	-	4
6	Deflection of Beams	4	4	-	8
7	Analysis of thin-walled pressure vessels	4	4	-	8
8	Analysis of plane stress	4	4	-	8
Total		28	28	-	56

- Topics taught as a percentage of the content specified: 100%
- Lecturers commitment of the course content 100%
- Coverage of exam topics to course content: 100%

- Used Teaching and Learning Methods

No.	Teaching Methods
1	Presentation of the course in digital material
2	Asking small groups to do assignments; each composed of low, medium, and high-performance students.

- Student Assessment:

No.	Evaluation Method	Marks
1	Periodic exams	20
2	Student load	20
3	Final-term examination	60
Total		100

3. Facilities Required for Teaching and Learning:

No.	Facility
1	Lecture classroom
2	Seminar
3	White board
4	Data Show system

4- Administrative Constraints:

No.	Constraints
1	**None**

5- Student Evaluation Result of the Course:

No.	Evaluation Result
1	**79%**

6- Course enhancement suggestions

No.	Suggestions
1	Improve lecture notes
2	Integrating work experiences with education.
3	Transplant And Assess Pedagogy Utilizing Such Technologies To Enhance Students' Learning.

7- Comments from external evaluator(s) (if exists):

No.	Comments
1	**References need update**

8- What has been implemented of the student's suggestions in the previous year?

No.	Suggestions
1	Using online course material.
2	Provide training on how to use a new teaching technology in their classes.

9- What has not been implemented of the suggestions (give reasons)?

No.	Suggestions	Reasons
1	**References need update**	

10- What has been implemented from the action plan in the previous year?

No.	Action
1	**Adding some scientific reference in the electronic library of the institute.**

11- Action plan for next academic year

No.	Areas of development	Description of development	Completion date	Person responsible
1	Increase some exercises	Increase some exercises	2021-2022	Course Coordinator

Course Coordinator: Prof. Dr. A. E. Kabel , Dr. Moataz Mostafa

Head of Department: Assoc. Prof. Khaled Samir

Date of Approval: 8/2021

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Annual Course Report: Organic Chemistry

A. Basic Information

Program Title	Chemical Engineering
Department offering the Program	Chemical Engineering Department
Department Responsible for the Course	Chemical Engineering Department
Course Code	CHE 121
Year/ Level	Level two
Specialization	Major
Authorization date of course report	8/2021
Exam Committee Selection Rule	Commissioning of the Institute of Management
External Revision of Examination	--
Lecturers Number:	1

Teaching hours	Lectures	Exercise	laboratory	Student's load
	2	-	2	5

B. Specialized information:

1. Statistics

Subject		No.	Percentage
Students attending the course		56	100%
Students completing the course		55	98.21%
Results	**Passed**	50	90.9%
	Failed	5	9.09%
Grading of successful students	**Excellent**	17	30.9%
	Very Good	15	27.27%
	Good	7	12.72%
	Pass	11	20%

2. Course Teaching:

No.	Topics	Lecture	Exercise	laboratory	Student load
1	Organic Chemistry: basic concepts Practical Identification of hydrocarbons	2	-	2	4
2	Alkanes Practical Identification of alcohols	2	-	2	4
3	Stereochemistry Practical Identification of phenols	4	-	4	8
4	Alkenes	4	-	4	8

Annual Course Report: Organic Chemistry

	Practical Identification of aldehydes and ketones				
5	Alkynes Practical Identification of aliphatic carboxylic acids	2	-	2	4
6	Aromatic Compounds Practical Identification of aromatic	4	-	4	8
7	Alcohols Practical Identification of salt of carboxylic acids	2	-	2	4
8	Ethers Practical Identification of amines	2	-	2	4
9	Aldehydes and Ketones Practical Identification of carbohydrates	2	-	2	4
10	Carboxylic Acids and Their Derivatives Practical Scheme for identification of unknown organic compounds	2	-	2	4
11	Amines Practical Revision	2	-	2	4
Total		**28**	**-**	**28**	**56**

- Topics taught as a percentage of the content specified: 90%
- Lecturers commitment of the course content: 95%

Used Teaching and Learning Methods

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Annual Course Report: Organic Chemistry

No	Topics	Face-to-Face Lecture	Online Lecture	Flipped Classroom	Presentation and movies	Discussion	Problem solving	Brain storming	Projects	Site visits	Self-learning and Research	Cooperative	Discovering	Modeling	Lab
1	Organic Chemistry: basic concepts Practical Identification of hydrocarbons	x	X												X
2	Alkanes Practical Identification of alcohols	x	X												X
3	Stereochemistry Practical Identification of phenols	x	X												X
4	Alkenes Practical Identification of aldehydes and ketones	x	X												X
5	Alkynes Practical Identification of	x	x												X

Annual Course Report: Organic Chemistry

	aliphatic carboxylic acids														
6	Aromatic Compounds Practical Identification of aromatic	**x**	**X**												**X**
7	Alcohols Practical Identification of salt of carboxylic acids	**x**	**X**												**X**
8	Ethers Practical Identification of amines	**x**	**X**												**X**
9	Aldehydes and Ketones Practical Identification of carbohydrates	**x**	**X**												**X**
10	Carboxylic Acids and Their Derivatives Practical Scheme for identification of unknown organic	**x**	**x**												**X**

Annual Course Report: Organic Chemistry

	compounds														
11	Amines Practical Revision	**x**	**X**												**X**

- Student Assessment:

No.	Evaluation method	Marks
1	**Periodic exams**	**30**
2	**Student load**	**30**
3	**Practical Examination**	**15**
4	**Final term examination**	**75**
Total		150

3. Facilities Required for Teaching and Learning:

No.	**Facility**	**No.**	**Facility**
1	Lecture classroom	5	Data show system
2	Presenter	6	Sound system
3	White board	7	Wireless internet
4	Lab		

4- Administrative Constraints:

Constraints
No constraints

5- Student Evaluation Result of the Course:

No.	**Evaluation Result**
1	**80.26%**

6- Course enhancement suggestions

No.	**Suggestions**
1	**Introducing more varieties of real models of industrial applications.**
2	**Make some scientific visits for petrochemical laboratories.**

7- Comments from external evaluator(s) (if exists):

No.	**Comments**
1	**The experimental part is canceled from the fourteenth week and is distributed**

Annual Course Report: Organic Chemistry

	over the other weeks.

8- What has been implemented of the student's suggestions in the previous year?

No.	Suggestions
1	**Provide training on how to use a new teaching technology in their classes.**

9- What has not been implemented of the suggestions (give reasons)?

No.	Suggestions	Reasons
1	**Using online course material.**	**Needing of extra internet system and smart boards**

10- What has been implemented from the action plan in the previous year?

No.	Action
1	**Adding some scientific reference in the electronic library of the institute.**

11. Action plan for next academic year

No.	Areas of development	Description of development	Completion date	Person responsible
1	**Introduce virtual lab techniques**	**Used suitable videos**	**2021-2022**	**Associate prof. Khaled Samir**

Course Coordinator: Associate prof. Khaled Samir

Head of Department: Associate prof. Hend Elsayed Gadow

Date of Approval: 8/2021

Ministry of Higher Education
The Higher Institute of
Engineering and Technology
new Damietta

وزارة التعليم العالى
المعهد العالى للهندسة والتكنولوجيا
بدمياط الجديدة

Annual Course Report: Physical Chemistry

A. Basic Information

Program Title	Chemical Engineering
Department offering the Program	Chemical Engineering Department
Department Responsible for the Course	Chemical Engineering Department
Course Code	CHE 122
Year/ Level	Level 1
Specialization	Major
Authorization data of course report	3/2021
Exam Committee Selection Rule	Commissioning of the Institute of Management
External Revision of Examination	--
Lecturers Number:	1

Teaching hours	Lectures	Exercise	laboratory	Student's load
	2	-	2	3

B. Specialized information:

1. Statistics

Subject		No.	Percentage
Students attending the course		69	100%
Students completing the course		67	97.1%
Results	**Passed**	62	92.53%
	Failed	5	7.46%
Grading of successful students	**Excellent**	14	20.89%
	Very Good	18	26.8%
	Good	19	28.35%
	Pass	11	16.41%

2. Course Teaching:

No.	Topics	Lecture	Exercise	laboratory	Student load
1	Gases (Ideal gas, real gas)	4	-	-	6
2	Solutions (true and colloidal solutions) Practical □ The nature of Copper – Ammonia Complex in aqueous Solution	4	-	4	6

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3	Chemical kinetics (Rate of reaction) Practical • Study of Homogeneous Catalytic Decomposition of H_2O_2 by Initial Rate Method • Catalytic decomposition H_2O_2 • Determination of The order of the reaction between H_2O_2 and HI	10	-	20	15
4	Chemical equilibrium	4	-	-	6
5	Surface chemistry (Adsorption) Practical □ Adsorption of Oxalic Acid on Charcoal	4	-	4	6
6	Chemical thermodynamic	2	-	-	3
Total		28	-	-	42

- Topics taught as a percentage of the content specified: 87%
- Lecturers commitment of the course content: 95%

Used Teaching and Learning Methods

No	Topics	Face-to-Face Lecture	Online Lecture	Flipped Classroom	Presentation and movies	Discussion	Problem solving	Brain storming	Projects	Site visits	Self-learning and Research	Cooperative	Discovering	Modeling	Lab
1	Gases (Ideal gas, real gas)	**X**	**X**								**x**				
2	Solutions (true and colloidal solutions) Practical • The nature of Copper –	**X**	**X**												**X**

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	Ammonia Complex in aqueous Solution														
3	Chemical kinetics (Rate of reaction) Practical • Study of Homogeneous Catalytic Decomposition of H_2O_2 by Initial Rate Method • Catalytic decomposition H_2O_2 • Determination of The order of the reaction between H_2O_2 and HI	**X**	**X**			**X**									**X**
4	Chemical equilibrium														
5	Surface chemistry (Adsorption) Practical • Adsorption of Oxalic Acid on Charcoal	**X**	**X**												**x**
6	Chemical thermodynamic	**X**	**X**			**X**									

- Student Assessment:

No.	Evaluation method	Marks
1	Periodic exams	30
2	Student load	30
3	Practical Examination	15
4	Final term examination	75
	Total	150

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3. Facilities Required for Teaching and Learning:

No.	Facility	No.	Facility
1	Lecture classroom	5	Data show system
2	Presenter	6	Sound system
3	White board		
4	Lab		

4- Administrative Constraints:

Constraints
No constraints

5- Student Evaluation Result of the Course:

No.	Evaluation Result
1	**80.76%**

6- Course enhancement suggestions

No.	Suggestions
1	**Provide training on how to use a new teaching technology in their classes.**
2	**Using online course material.**

7- Comments from external evaluator(s) (if exists):

No.	Comments
1	**Topics are short in course specs that should be modified.**

8- What has been implemented of the student's suggestions in the previous year?

No.	Suggestions
1	**Integrating work experiences with education.**

9- What has not been implemented of the suggestions (give reasons)?

No.	Suggestions	Reasons
1	**Transplant And Assess Pedagogy Utilizing Such Technologies To Enhance Students' Learning.**	**Needing of extra internet system and smart boards**

10- What has been implemented from the action plan in the previous year?

No.	Action
1	**Adding some scientific reference in the electronic library of the institute.**

Annual Course Report: Physical Chemistry

11.Action plan for next academic year

No.	Areas of development	Description of development	Completion date	Person responsible
1	Increase self-study material	Include chapter one in the self-study material	2021-2022	Dr. Mohamed Fakeeh

Course Coordinator: Dr. Mohamed Fakeeh

Head of Department: Asso.prof. Hend Elsayed Gadow

Date of Approval: 3/2021