



Course title: Bacteriology Course code :BOT222 Year /semester:14 36 – 1437 H / 2nd semester

Consistency of outcomes of program and core course

Domains	A				B				C				D			E	
POCs	1.1	1.2	1.3	1.4	2.1	2.2	2.3	2.4	3.1	3.2	3.3	3.4	4.1	4.2	4.3	5.1	5.2
COLCs																	

* POCs= program outcomes

*COLCs- course learning outcomes

Midterm 1 MD 1	Midterm 2 MD 2	Activities				Total (MD 1, MD 2 & activities_)	Final practical exam P.F	Final Theoretical exam T.F	Total Degree
		Homework H.W	Research RES.	Class activities C.A	Lab. Assessment Lab. Ass				
10	10	5			5				
MD/20		Activities+ Lab Ass. /10				30	20	50	100

Instructor: Dr./ Rabab Mohamed

Head of program / Dept. Mona Makkia

Course grading system

Tools	Course learning outcomes							Total
	1.1.1	1.2.1	2.1.1	2.2.2	3.4.1	4.1.1	5.1.1	
MD1	5		5		0	0	0	10%
MD2	5		5		0	0	0	10%
HW		1*	1*	0	0	0	0	2%
Res.	0	0	0	0	1	2**	0	3%
C. A	0	0	0	0	0	0	0	-
Lab Ass.	0	0	0	0	0	0	5 ***	5%
P.F Exam	0	0	0	0	0	0	20	20%
T.F Exam	10	10	15	15	0	0	0	50%
Total	20	11	26	15	1	2	25	100%

* Received through D2L gate ** Written Communication *** Lab. reports and Microscopic Examination

Domains	POCs	COLCs
A1	Collect integrated comprehensive knowledge of the basic principles and theories related to biological science and theories of education which are necessary for professional preparation .	Familiar with the basics of microbiology and science branching from it.
A2	Find the relationship between the scientific biological theories and other scientific and professional fields related to biological science .	Describes the bacterial cell structure and organelles
B1	Investigate the information and analyze them to study phenomena related to Biological science and teaching problems that she face , then using it in proposing innovative solutions based on her theoretical and practical background to take appropriate decisions	Distinguish between and Moving bacteria
B2	Analyze the relationship between the construction and function at the molecular , cellular , organic and ecological levels with explanation of the molecular mechanisms, metabolism and gene expression	compare the different types of bacteria in terms of the look and usability of the different pigments group discussion Videos classroom participation
C4	Be responsible for self-learning and continuing personal and professional development, using the means of finding new information or analysis techniques to accomplish the tasks .	Deal with others and take responsibility skills Interact collective discussion and take responsibility for self-learning.
D1	Communicate verbally and in written ways by using appropriate display forms for different issues with different recipients.	Use modern techniques to search for the required references for work duties
E1	Mastered the use of tools and, laboratory devices in dissection and conduction of practical experiments	Apply different experiments related to the course and present short report

Assessment tools and outcomes assessment (Exams)

P.O	CLO	Mid Term (1) Exam			T.G
1.1 1.2	1.1.1 1.2.1	Can be assessed by Exams: - true or false ,short essays with (mention – What is / are).			4
2.1 2.2	2.1.1 2.2.1	Can be assessed by Exams: high level thinking questions - Long and short essays with (why – explain – how to predict – how to interpret – how to evaluate s).			6
Rubrics		Unsatisfactory	Developing	Satisfactory	10%
%		(0-39%)	(40-69%)	(70-100%)	
No. of student		3	13	6	
P.O	CLO	Mid Term (2) Exam			T.G
1.1 1.2	1.1.1 1.2.1	Can be assessed by Exams: true or false question short essays with (mention – What is / are).			6
2.1 2.2	2.1.1 2.2.1	Can be assessed by Exams: MCQ ,fill in the space of high level thinking questions - Long and short essays with (why – explain – how to predict – how to interpret – how to evaluate – how to formulate – compare – differentiate – Analyze / how to analyze – case study problems).			4
Rubrics		Unsatisfactory	Developing	Satisfactory	10%
%		(0-39%)	(40-69%)	(70-100%)	
No. of students		2	9	11	
P.O	CLO	Final Practical Exam			T.G
5.1	5.1.1	Can be assessed by Exam through identify microscopic specimens of different bacteria , compare between bacteria through different stain and physiological activities .			20
Rubrics		Unsatisfactory	Developing	Satisfactory	20%
%		(0-39%)	(40-69%)	(70-100%)	
No. of students		2	10	10	
P.O	CLO	Final Theoretical Exam			T.G
1.1 1.2	1.1.1 1.2.1	Can be assessed by Exams: MCQ – true or false question, Long and short essays with (list – mention – What is / are – numerate).			25
2.1 2.2	2.1.1 2.2.1	Can be assessed by Exams: MCQ, fill in the space of high level thinking questions - Long and short essays with (why – explain – how to predict – how to interpret – how to evaluate – how to formulate – compare – differentiate – Analyze / how to analyze –Classify.			25
Rubrics		Unsatisfactory	Developing	Satisfactory	50%
%		(0-39%)	(40-69%)	(70-100%)	
No. of students		4	11	7	

Assessment tools and outcomes assessment (Activities)

P.O	CLO	Homework	T.G	
1.2	1.2.1	Describes the bacterial cell structure and organelles	1	
2.1 2.2	2.1.1 2.2.1	Distinguish between and Moving bacteria compare the different types of bacteria in terms of the look and usability of the different pigments group discussion	1	
Rubrics		Unsatisfactory	Developing	Satisfactory
%		(0-39%)	(40-69%)	(70-100%)
No. of students			22	2%
P.O	CLO	Research	T.G	
3.4	3.4.2	Work effectively in team during preparation of collective researches	1	
4.1	4.1.1	Demonstrate the preparation of research and presentations by using advanced technology in good manner Demonstrate an effective oral and written communication).	2	
Rubrics		Unsatisfactory	Developing	Satisfactory
%		(0-39%)	(40-69%)	(70-100%)
No. of students			22	3%
P.O	CLO	Lab assessment	T.G	
5.1	5.1.1	- Can be assessed by Exam through identify microscopic specimens of different bacteria , compare between bacteria through different stain and physiological activities .	5	
Rubrics		Unsatisfactory	Developing	Satisfactory
%		(0-39%)	(40-69%)	(70-100%)
No. of students			22	5%



Course title: Animal physiology I **Course code:** ZOO 313 **Year /semester:** 1436 – 1437 H /2nd semester

Consistency of outcomes of program and core course

Domains	A				B				C				D			E	
POCs	1.1	1.2	1.3	1.4	2.1	2.2	2.3	2.4	3.1	3.2	3.3	3.4	4.1	4.2	4.3	5.1	5.2
COLCs																	

* POCs= program outcomes *COLCs- course learning outcomes

Midterm 1 MD 1	Midterm 2 MD 2	Activities			Total (MD 1, MD 2 & activities_	Final practical exam P.F	Final Theoretical exam T.F	Total Degree
		Homework H.W	Research RES.	Lab. Assessment Lab. Ass				
10	10	4	3	3	30	20	50	100
MD/20		Activities+ Lab Ass. /10			30	20	50	100

Instructor: Prof./ Zeinab Abd Elmohdy

Head of program / Dept. Dr: Mona Makkia

Course grading system

Tools	Course learning outcomes							Total
	1.1.1	1.2.1	2.2.1	2.3.1	3.2.1	4.2.1	5.1.1	
MD1	5		5		0	0	0	10%
MD2		5		5	0	0	0	10%
HW	2*	2*			0	0	0	4%
Res.	0	0	0	0	1	2**	0	3%
C. A	0	0	0	0	0	0	0	-
Lab Ass.	0	0	0	0	0	0	3 ***	3%
P.F Exam	0	0	0	0	0	0	20	20%
T.F Exam	10	7	25	8	0	0	0	50%
Total	17	14	30	13	1	2	23	100%

* Received through D2L gate ** Written Communication *** Lab. reports and Microscopic Examination

Domains	POCs	COLCs
A1	Collect integrated comprehensive knowledge of the basic principles and theories related to biological science and theories of education which are necessary for professional preparation .	Recognize the structure of Digestive, Muscular, and Nervous Systems.
A2	Find the relationship between the scientific biological theories and other scientific and professional fields related to biological science .	Determine the function of Digestive, Muscular, and Nervous Systems.
B2	Analyze the relationship between the construction and function at the molecular , cellular , organic and ecological levels with explanation of the molecular mechanisms, metabolism and gene expression	Explain the mechanism of action of Digestive, Muscular, and Nervous Systems.
B3	Conclude the reasons for the relatively complex problems in biological science, using variable forms of information technologies and other sources.	Analyze the phenomena and problems related to the functions of Digestive , Muscular, and Nervous systems
C2	Exercise group's leadership in a variety of situations which require innovative responses	Participate effectively with colleagues in researches and presentations
D2	Use Appropriate information technology and communication in gathering information to interpret and implement it in teaching situations	Using advanced technology in collection and interpretation of data.
E1	Mastered the use of tools and, laboratory devices in dissection and conduction of practical experiments	Use properly laboratory devices and equipment in carrying out experiments of the course

Assessment tools and outcomes assessment (Exams)

P.O		CLO		Mid Term (1) Exam			T.G
1.1	1.1.1	Can be assessed by Exams: MCQ - true or false ,short essays with (list – mention – What is / are – numerate).					5
2.2	2.2.1	Can be assessed by Exams: MCQ of high level thinking questions - Long and short essays with (why – explain – how to predict – how to interpret – how to evaluate – how to formulate – compare – differentiate – Analyze).					5
Rubrics		Unsatisfactory		Developing		Satisfactory	
%		(0-39%)		(40-69%)		(70-100%)	
No. of student		2		9		13	
P.O		CLO		Mid Term (2) Exam			T.G
1.2	1.2.1	Can be assessed by Exams: MCQ – true or false question, Long and short essays with (list – mention – What is / are – numerate).					5
2.3	2.3.1	Can be assessed by Exams: MCQ ,fill in the space of high level thinking questions - Long and short essays with (why – explain – how to predict – how to interpret – how to evaluate – how to formulate – compare – differentiate – Analyze).					5
Rubrics		Unsatisfactory		Developing		Satisfactory	
%		(0-39%)		(40-69%)		(70-100%)	
No. of students		1		10		13	
P.O		CLO		Final Practical Exam			T.G
5.1	5.1.1	Can be assessed by Exam through carrying out experiments of the course (eg:detection of GIT enzyme activities and suitable situation for its proper action , bile pigment and bile juice action)					20
Rubrics		Unsatisfactory		Developing		Satisfactory	
%		(0-39%)		(40-69%)		(70-100%)	
No. of students		0		3		21	
P.O		CLO		Final Theoretical Exam			T.G
1.1	1.1.1	Can be assessed by Exams: MCQ – true or false question, Long and short essays with (list – mention – What is / are – numerate).					17
1.2	1.2.1						
2.2	2.2.1	Can be assessed by Exams: MCQ, fill in the space of high level thinking questions - Long and short essays with (why – explain – how to predict – how to interpret – how to evaluate – how to formulate – compare – differentiate – Analyze / how to analyze –Classify.					33
2.3	2.3.1						
Rubrics		Unsatisfactory		Developing		Satisfactory	
%		(0-39%)		(40-69%)		(70-100%)	
No. of students		0		3		21	

Assessment tools and outcomes assessment (Activities)

P.O	CLO	Homework			
1.1	1.1.1	Recognize the structure of Digestive, Muscular, and Nervous Systems.			2
1.2	1.2.1	Determine the function of Digestive, Muscular, and Nervous Systems.			2
Rubrics		Unsatisfactory	Developing	Satisfactory	
		(0-39%)	(40-69%)	(70-100%)	4%
No. of students		0	1	23	
P.O	CLO	Research			T.G
3.2	3.2.1	Participate effectively with colleagues in researches and presentations			1
4.2	4.2.1	Using advanced technology in collection and interpretation of data.			2
Rubrics		Unsatisfactory	Developing	Satisfactory	
		(0-39%)	(40-69%)	(70-100%)	3%
No. of students		0	8	16	
P.O	CLO	Lab assessment			T.G
5.1	5.1.1	Use properly laboratory devices and equipment in carrying out experiments of the course Finish lab report			3%
Rubrics		Unsatisfactory	Developing	Satisfactory	
		(0-39%)	(40-69%)	(70-100%)	3%
No. of students		0	10	14	



Course title: Applied Microbiology **Course code:** BOT 323 **Year /semester:**1436 – 1437 H /2nd semester

Consistency of outcomes of program and core course

Domains	A				B				C				D			E	
POCs	1.1	1.2	1.3	1.4	2.1	2.2	2.3	2.4	3.1	3.2	3.3	3.4	4.1	4.2	4.3	5.1	5.2
COLCs																	

* POCs= program outcomes

*COLCs- course learning outcomes

Midterm 1 MD 1	Midterm 2 MD 2	Activities				Total (MD 1, MD 2 & activities)	Final practical exam P.F	Final Theoretical exam T.F	Total Degree
		Homework H.W	Research RES.	Class activities C.A	Lab. Assessment Lab. Ass				
10	10	2	3	-	5				
MD/20		Activities+ Lab Ass. /10				30	20	50	100

Instructor: Dr./ Rabab Mohamed

Head of program / Dept. Dr: Mona Makkia

Course grading system

Tools	Course learning outcomes							Total
	1.1.1	1.2.2	2.1.1	2.2.1	3.2.1	4.1.1	5.1.1	
MD1	۲	۳	۳	۲	0	0	0	10%
MD2	2	2	۲	۴	0	0	0	10%
HW	۰	1*	*۱	0	0	0	0	2%
Res.	0	0	0	0	1	2**	0	3%
C. A	0	0	0	0	0	0	0	-
Lab Ass.	0	0	0	0	0	0	5	5%
P.F Exam	0	0	0	0	0	0	20	20%
T.F Exam	10	10	15	15	0	0	0	50%
Total	14	16	21	21	1	2	25	100%

* Received through D2L gate ** Written Communication *** Lab reports and Microscopic Examination

Domains	POCs	COLCs
A1	Collect integrated comprehensive knowledge of the basic principles and theories related to biological science and theories of education which are necessary for professional preparation .	Identify different types of micro-organisms and the environments in which they live.
A2	Find the relationship between the scientific biological theories and other scientific and professional fields related to biological science .	Classify various microorganisms activities in the field of industry, soil , medical and water
B1	Investigate the information and analyze them to study phenomena related to Biological science and teaching problems that she face , then using it in proposing innovative solutions based on her theoretical and practical background to take appropriate decisions	Classify antibiotic resistance bacteria
B2	Analyze the relationship between the construction and function at the molecular , cellular , organic and ecological levels with explanation of the molecular mechanisms, metabolism and gene expression	Differentiate between economic important of microorganism.
C2	Exercise group's leadership in a variety of situations which require innovative responses	Interact collective discussion and take responsibility for self-learning.
D1	Communicate verbally and in written ways by using appropriate display forms for different issues with different recipients.	Learn how to search for an information using the library or internet resources and Working in a group and learn time management.
E1	Mastered the use of tools and, laboratory devices in dissection and conduction of practical experiments	Apply different experiments related to the course and evaluate results.

Assessment tools and outcomes assessment (Exams)

P.O		CLO		Mid Term (1) Exam			T.G
1.1	1.1.1	1.2	1.2.1	Can be assessed by Exams: MCQ - true or false ,short essays with (list – mention – What is / are – numerate).			5
2.1	2.1.1	2.2	2.2.1	Can be assessed by Exams: MCQ of high level thinking questions - Long and short essays with (why – explain – how to predict – how to interpret – how to evaluate – how to formulate – compare – differentiate – Analyze / how to analyze – case study problems).			5
Rubrics				Unsatisfactory	Developing	Satisfactory	10%
%				(0-39%)	(40-69%)	(70-100%)	
No. of student				3	4	3	
P.O		CLO		Mid Term (2) Exam			T.G
1.1	1.1.1	1.2	1.2.1	Can be assessed by Exams: MCQ – true or false question, Long and short essays with (list – mention – What is / are – numerate).			6
2.1	2.1.1	2.2	2.2.1	Can be assessed by Exams: MCQ ,fill in the space of high level thinking questions - Long and short essays with (why – explain – how to predict – how to interpret – how to evaluate – how to formulate – compare – differentiate – Analyze / how to analyze – case study problems).			4
Rubrics				Unsatisfactory	Developing	Satisfactory	10%
%				(0-39%)	(40-69%)	(70-100%)	
No. of students				0	4	6	
P.O		CLO		Final Practical Exam			T.G
5.1	5.1.1	Apply different experiments related to the course and evaluate results.					20
Rubrics				Unsatisfactory	Developing	Satisfactory	20%
+++%				(0-39%)	(40-69%)	(70-100%)	
No. of students				0	3	7	
P.O		CLO		Final Theoretical Exam			T.G
1.1	1.1.1	1.2	1.2.1	Can be assessed by Exams: MCQ – true or false question, Long and short essays with (list – mention – What is / are – numerate).			20
2.1	2.1.1	2.2	2.2.1	Can be assessed by Exams: MCQ, fill in the space of high level thinking questions - Long and short essays with (why – explain – how to predict – how to interpret – how to evaluate – how to formulate – compare – differentiate – Analyze / how to analyze –Classify.			30
Rubrics				Unsatisfactory	Developing	Satisfactory	50%
%				(0-39%)	(40-69%)	(70-100%)	
No. of students				0	9	1	

Assessment tools and outcomes assessment (Activities)

P.O	CLO	Homework			
1.2	1.2.1	Identify different types of micro-organisms and the environments in which they live and Classify various microorganisms activities in the field of industry, soil , medical and water			1
2.1 2.2	2.1.1 2.2.1	Classify antibiotic resistance bacteria and Differentiate between economic important of microorganism.			1
Rubrics		Unsatisfactory	Developing	Satisfactory	
%		(0-39%)	(40-69%)	(70-100%)	2%
No. of students		.	.	1.	
P.O	CLO	Research			T.G
3.2	3.2.1	Interact collective discussion and take responsibility for self-learning.			1
4.1	4.1.1	Learn how to search for an information using the library or internet resources and Working in a group and learn time management.			3
Rubrics		Unsatisfactory	Developing	Satisfactory	
%		(0-39%)	(40-69%)	(70-100%)	5%
No. of students		0	0	10	5%
P.O	CLO	Lab assessment			T.G
5.1	5.1.1	Apply different experiments related to the course and evaluate results.			5%
Rubrics		Unsatisfactory	Developing	Satisfactory	
%		(0-39%)	(40-69%)	(70-100%)	5%
No. of students		0	0	10	



Course title: Entomology 2 **Course code:** ZOO 321 **Year /semester:**1436 – 1437 H / 2nd semester

Consistency of outcomes of program and core course

Domains	A				B				C				D			E	
POCs	1.1	1.2	1.3	1.4	2.1	2.2	2.3	2.4	3.1	3.2	3.3	3.4	4.1	4.2	4.3	5.1	5.2
COLCs																	

* POCs= program outcomes

*COLCs- course learning outcomes

Midterm 1 MD 1	Midterm 2 MD 2	Activities			Lab. Assessment Lab. Ass	Total (MD 1, MD 2 & activities)	Final practical exam P.F	Final Theoretical exam T.F	Total Degree
		Homework H.W	Research RES.	Class activities C.A					
10	10	3	3	-	4				
MD/20		10				30	20	50	100

Instructor: Pof.Dr/Hala Ali

Head of program / Dept. Dr:Mona Makkia

Course grading system

Tools	Course learning outcomes								Total
	1.1.1	1.1.2	2.1.1	2.2.1	2.3.1	3.2.1	4.2.1	5.2.1	
MD1	2	0	3	2	3	0	0	0	10%
MD2	3	0	2	2	3	0	0	0	10%
HW	1*	0	1*	1*	·	0	0	0	۳%
Res.	0	0	0	0	0	1	2	0	۳%
C. A	0	0	0	0	0	0	0	0	0
Lab Ass.	0	0	0	0	0	0	0	4 ****	4%
P.F Exam	0	0	0	0	0	·	0	20	20%
T.F Exam	14	0	11	11	14	0	0	0	50%
Total	20	0	17	16	20	1	2	24	100%

* Received through D2L gate ** Written Communication *** Lab. reports

Domains	POCs	COLCs
A1	Collect integrated comprehensive knowledge of the basic principles and theories related to biological science and theories of education which are necessary for professional preparation .	Describe the mechanism of digestion, excretion, blood circulation, respiration process in different insects with the different adaptations of internal structures
B1	Investigate the information and analyze them to study phenomena related to Biological science and teaching problems that she face , then using it in proposing innovative solutions based on her theoretical and practical background to take appropriate decisions	Explain the structure of nervous system and mechanism of nervous conduction
B2	Analyze the relationship between the construction and function at the molecular , cellular , organic and ecological levels with explanation of the molecular mechanisms, metabolism and gene expression	Compare between reproductive system, types of reproduction and metamorphosis in different insects
B3	Conclude the reasons for the relatively complex problems in biological science, using variable forms of information technologies and other sources.	Explain contraction and relaxation of muscles
C2	Exercise group's leadership in a variety of situations which require innovative responses	Show the presentation, educational films and speech in front of the others in good manner
D2	Use Appropriate information technology and communication in gathering information to interpret and implement it in teaching situations	Demonstrate the Preparation of presentations with reaching to useful sites on the Internet to increase knowledge of the contents of the course
E2	Know how to examine and draw microscopic sectors with valid scientifically method	Examine the microscopes specimens with identification by drawing and maintaining the laboratory tools by using them in a correct scientific way.

Assessment tools and outcomes assessment (Exams)

P.O	CLO	Mid Term (1) Exam			T.G
1.1	1.1.1	Can be assessed by Exams: MCQ - true or false ,short essays with (list – mention – What is / are – numerate).			2
2.1 2.2 2.3	2.1.1 2.2.1 2.3.1	Can be assessed by Exams: MCQ of high level thinking questions - Long and short essays with (why – explain – how to predict – how to interpret – how to evaluate – how to formulate – compare – differentiate – Analyze / how to analyze			3+2+3
Rubrics		Unsatisfactory	Developing	Satisfactory	10%
%		(0-39%)	(40-69%)	(70-100%)	
No. of student		3	4	8	
P.O	CLO	Mid Term (2) Exam			T.G
1.1	1.1.1	Can be assessed by Exams: MCQ – true or false question, Long and short essays with (list – mention – What is / are – numerate).			3
2.1 2.2 2.3	2.1.1 2.2.1 2.3.1	Can be assessed by Exams: MCQ ,fill in the space of high level thinking questions - Long and short essays with (why – explain – how to predict – how to interpret – how to evaluate – how to formulate – compare – differentiate – Analyze / how to analyze.			2+2+3
Rubrics		Unsatisfactory	Developing	Satisfactory	10%
%		(0-39%)	(40-69%)	(70-100%)	
No. of students		0	12	3	
P.O	CLO	Final Practical Exam			T.G
5.2	5.2.1	Can be assessed by Exam through identify microscopic specimens of different parasites, draw life cycle of parasites and compare by drawing the stages of parasite			20
Rubrics		Unsatisfactory	Developing	Satisfactory	20%
%		(0-39%)	(40-69%)	(70-100%)	
No. of students		0	4	11	
P.O	CLO	Final Theoretical Exam			T.G
1.1	1.1.1	Can be assessed by Exams: MCQ – true or false question, Long and short essays with (list – mention – What is / are – numerate).			14
2.1 2.2 2.3	2.1.1 2.2.1 2.3.1	Can be assessed by Exams: MCQ, fill in the space of high level thinking questions, true or false questions, and paring or matching questions. In addition to long or short essays, with (why – explain – how to predict – how to interpret – how to evaluate – how to formulate – compare – differentiate – analyze / how to analyze			11+11+14
Rubrics		Unsatisfactory	Developing	Satisfactory	50%
%		(0-39%)	(40-69%)	(70-100%)	
No. of students		2	5	8	

Assessment tools and outcomes assessment (Activities)

P.O	CLO	Homework			
1.1	1.1.1	Establish a personal scientific knowledge base that prepares them to read, to interpret, and to utilize scientific knowledge in parasitology			1
2.1 2.2	2.1.1 2.2.1	Recognize basic knowledge of medical parasites; their distribution, morphological characteristics, life cycles, pathogenesis			2
Rubrics		Unsatisfactory	Developing	Satisfactory	3%
%		(0-39%)	(40-69%)	(70-100%)	
No. of students		0	9	6	
P.O	CLO	Research			T.G
3.2	3.2.1	Work effectively in team during preparation of collective research papers			1
4.2	4.2.1	Demonstrate the preparation of research and presentations by using technology in good manner Demonstrate an effective oral and written communication			3
Rubrics		Unsatisfactory	Developing	Satisfactory	4%
%		(0-39%)	(40-69%)	(70-100%)	
No. of students		0	6	9	
P.O	CLO	Lab assessment			T.G
5.2	5.2.1	Perform microscopic examination Finish lab report in each section			4%
Rubrics		Unsatisfactory	Developing	Satisfactory	4%
%		(0-39%)	(40-69%)	(70-100%)	
No. of students		0	1	14	



Course title: Plant growth and differentiation **Course code:** BOT 324 **Year /semester:**1436 – 1437 H /
2nd semester

Consistency of outcomes of program and core course

Domains	A				B				C				D			E	
POCs	1.1	1.2	1.3	1.4	2.1	2.2	2.3	2.4	3.1	3.2	3.3	3.4	4.1	4.2	4.3	5.1	5.2
COICs																	

* POCs= program outcomes

*COLCs- course learning outcomes

Midterm 1 MD 1	Midterm 2 MD 2	Activities				Total (MD 1 ,MD 2 & activities)	Final practical exam P.F	Final Theoretical exam T.F	Total Degree
		Homework H.W	Research RES.	Class activities C.A	Lab. Assessment Lab. Ass				
10	10	5			5				
MD/20		Activities+ Lab Ass. /10				30	20	50	100

Instructor: Dr: Enas Shabaan

Head of program / Dept.Mona Makkia

Course grading system

Tools	Course learning outcomes								Total
	1.1.1	1.1.2	2.1.1	2.2.2	3.4.2	4.2.2	5.1.1	5.2.1	
MD1	5		5		0	0	0		10%
MD2	5		5		0	0	0		10%
HW		1*	1*	0	0	0	0		2%
Res.	0	0	0	0	1	2**	0		3%
C. A	0	0	0	0	0	0	0		-
Lab Ass.	0	0	0	0	0	0	5 ***		5%
P.F Exam	0	0	0	0	0	0	20		20%
T.F Exam	10	10	15	15	0	0	0		50%
Total	20	11	26	15	1	2		25	100%

* Received through D2L gate ** Written Communication *** Lab. reports and Microscopic Examination

Domains	POCs	COLCs
A1	Collect integrated comprehensive knowledge of the basic principles and theories related to biological science and theories of education which are necessary for professional preparation .	Identify the growth and development of plants and factors affecting them.
A2	Find the relationship between the scientific biological theories and other scientific and professional fields related to biological science .	Recognize hormones and plant growth regulators and its role in plant tissue culture.
B2	Analyze the relationship between the construction and function at the molecular , cellular , organic and ecological levels with explanation of the molecular mechanisms, metabolism and gene expression	Interpret the effect of each type of plant hormones on plant growth and development.
B3	Conclude the reasons for the relatively complex problems in biological science, using variable forms of information technologies and other sources.	Interpret plant tropism in response to an environmental stimulus
C4	Exercise group's leadership in a variety of situations which require innovative	Learn how to search for an information using the library or internet resources
D2	Use Appropriate information technology and communication in gathering information to interpret and implement it in teaching situations	Use modern techniques to search for the required references for work duties
E1	Mastered the use of tools and, laboratory devices in dissection and conduction of practical experiments	Apply different experiments related to plant growth and development and factors affecting them.
E2	Know well how to examine and draw microscopic sectors in a valid scientifically method	Test students ability to analyze and graph data and find explanations for each experiment

Assessment tools and outcomes assessment (Exams)

P.O	CLO	Mid Term (1) Exam	T.G	
1.1 1.2	1.1.1 1.2.2	Can be assessed by Exams: ,short essays with (list – mention – What is / are – numerate).	5	
2.1 2.2	2.1.1 2.2.2	Can be assessed by Exams: - Long and short essays with (why – explain – how to predict – how to interpret – how to evaluate	5	
Rubrics		Unsatisfactory	Developing	Satisfactory
%		(0-39%)	(40-69%)	(70-100%)
No. of student		1	4	14
				10%
P.O	CLO	Mid Term (2) Exam	T.G	
1.1 1.2	1.1.1 1.2.2	Can be assessed by Exams: Long and short essays with (list – mention – What is / are – numerate).	5	
2.1 2.2	2.1.1 2.2.2	Can be assessed by Exams high level thinking questions - Long and short essays with (why – explain – how to predict – how to interpret – how to evaluate – compare – differentiate	5	
Rubrics		Unsatisfactory	Developing	Satisfactory
%		(0-39%)	(40-69%)	(70-100%)
No. of students		2	8	9
				10%
P.O	CLO	Final Practical Exam	T.G	
5.1 5.2	5.1.1 5.2.1	Can be assessed by Exam through different experiments related to plant growth and development and factors affecting them and testing the ability of students to analyze and graph data and find explanations for each experiment	20	
Rubrics		Unsatisfactory	Developing	Satisfactory
%		(0-39%)	(40-69%)	(70-100%)
No. of students		0	11	8
				20%
P.O	CLO	Final Theoretical Exam	T.G	
1.1 1.2	1.1.1 1.2.1	Can be assessed by Exams: MCQ – true or false question, Long and short essays with (list – mention – What is / are – numerate).	25	
2.1 2.2	2.1.1 2.2.1	Can be assessed by Exams: MCQ, fill in the space of high level thinking questions - Long and short essays with (why – explain – how to predict – how to interpret – how to evaluate – how to formulate – compare – differentiate – Analyze / how to analyze –Classify.	25	
Rubrics		Unsatisfactory	Developing	Satisfactory
%		(0-39%)	(40-69%)	(70-100%)
No. of students		3	7	9
				50%

Assessment tools and outcomes assessment (Activities)

P.O	CLO	Homework	T.G	
1.2	1.2.1	Establish a personal scientific knowledge base that prepares them to read, to interpret, and to utilize scientific knowledge in plant growth and development	1	
2.1 2.2	2.1.1 2.2.1	Recognize basic knowledge of plant hormones ; their distribution, physiological activities, synthesis , and properties	2	
Rubrics		Unsatisfactory	Developing	Satisfactory
%		(0-39%)	(40-69%)	(70-100%)
No. of students			19	3%
P.O	CLO	Research	T.G	
3.4	3.4.1	Work effectively in team during preparation of collective researches	1	
4.2	4.2.1	Demonstrate the preparation of research and presentations by using advanced technology in good manner Demonstrate an effective oral and written communication).	3	
Rubrics		Unsatisfactory	Developing	Satisfactory
%		(0-39%)	(40-69%)	(70-100%)
No. of students			19	4%
P.O	CLO	Lab assessment	T.G	
5.1 5.2	5.1.1 5.2.1	-Perform microscopic examination -Finish lab report in each section -Demonstrate an ability to identify plant development from microscopic specimens - Interpret the effect of each type of plant hormones on plant growth and development.	3%	
Rubrics		Unsatisfactory	Developing	Satisfactory
%		(0-39%)	(40-69%)	(70-100%)
No. of students			19	3%



Course title: Parasitology

Course code: ZOO412

Year /semester: 1436 – 1437

H / 2nd semester

Consistency of outcomes of program and core course

Domains	A				B				C				D			E	
POLCs	1.1	1.2	1.3	1.4	2.1	2.2	2.3	2.4	3.1	3.2	3.3	3.2	4.1	4.2	4.3	5.1	5.2
COLCs																	

* POLCs= program outcomes

*COLCs- course learning outcomes

Midterm 1 MD 1	Midterm 2 MD 2	Activities				Total (MD 1, MD 2 & activities)	Final practical exam P.F	Final Theoretical exam T.F	Total Degree
		Homework H.W	Research RES.	Class activities C.A	Lab. Assessment Lab. Ass				
10	10	3	3	-	4				
MD/20		Activities+ Lab Ass. /10				30	20	50	100

Instructor: Prof. Dr./ Hala Ali

Head of program / Dept Dr: Mona Makkia

Course grading system

Tools	Course learning outcomes							Total
	1.1.1	1.1.2	2.1.1	2.2.1	3.2.1	4.2.1	5.2.1	
MD1	3	3	2	2	0	0	0	10%
MD2	4	2	2	2	0	0	0	10%
HW	.	1*	1*	1*	0	0	0	3%
Res.	0	0	0	0	1	2**	0	3%
C. A	0	0	0	0	0	0	0	-
Lab Ass.	0	0	0	0	0	0	4 ***	4%
P.F Exam	0	0	0	0	0	0	20	20%
T.F Exam	12	9	15	14	0	0	0	50%
Total	19	15	20	19	1	2	24	100%

* Received through D2L gate ** Written Communication *** Lab reports and Microscopic Examination

Domains	POCs	COLCs
A1	Collect integrated comprehensive knowledge of the basic principles and theories related to biological science and theories of education which are necessary for professional preparation .	Recognize taxonomy, environments and life cycles of parasites
A2	Find the relationship between the scientific biological theories and other scientific and professional fields related to biological science .	Determine the effects of parasitism on the host and disease caused by various parasites to hosts
B1	Investigate the information and analyze them to study phenomena related to Biological science and teaching problems that she face , then using it in proposing innovative solutions based on her theoretical and practical background to take appropriate decisions	compare between the different types of parasites and hosts
B2	Analyze the relationship between the construction and function at the molecular , cellular , organic and ecological levels with explanation of the molecular mechanisms, metabolism and gene expression	Classify various parasites according to their positions in animal kingdom.
C2	Exercise group's leadership in a variety of situations which require innovative response	Work effectively in team
D2	Use Appropriate information technology and communication in gathering information to interpret and implement it in teaching situations	Demonstrate the preparation of research and presentations by using technology in good manner
E2	Know how to examine and draw microscopic sectors with valid scientifically method	Diagram life cycles of parasites through examination of exposed microscopic specimens

Assessment tools and outcomes assessment (Exams)

P.O		CLO		Mid Term (1) Exam			T.G
1.1	1.1.1	1.2	1.2.1	Can be assessed by Exams: MCQ - true or false ,short essays with (list – mention – What is / are – numerate).			3+3
2.1	2.1.1	2.2	2.2.1	Can be assessed by Exams: MCQ of high level thinking questions - Long and short essays with (why – explain – how to predict – how to interpret – how to evaluate – how to formulate – compare – differentiate – Analyze / how to analyze – case study problems).			2+2
Rubrics				Unsatisfactory	Developing	Satisfactory	10%
%				(0-39%)	(40-69%)	(70-100%)	
No. of student				0	2	22	
P.O		CLO		Mid Term (2) Exam			T.G
1.1	1.1.1	1.2	1.2.1	Can be assessed by Exams: MCQ – true or false question, Long and short essays with (list – mention – What is / are – numerate).			4+2
2.1	2.1.1	2.2	2.2.1	Can be assessed by Exams: MCQ ,fill in the space of high level thinking questions - Long and short essays with (why – explain – how to predict – how to interpret – how to evaluate – how to formulate – compare – differentiate – Analyze / how to analyze – case study problems).			2+2
Rubrics				Unsatisfactory	Developing	Satisfactory	10%
%				(0-39%)	(40-69%)	(70-100%)	
No. of students				2	8	14	
P.O		CLO		Final Practical Exam			T.G
5.2	5.2.1	Can be assessed by Exam through identify microscopic specimens of different parasites, draw life cycle of parasites and compare by drawing the stages of parasite					20
Rubrics				Unsatisfactory	Developing	Satisfactory	20%
%				(0-39%)	(40-69%)	(70-100%)	
No. of students				0	6	18	
P.O		CLO		Final Theoretical Exam			T.G
1.1	1.1.1	1.2	1.2.1	Can be assessed by Exams: MCQ – true or false question, Long and short essays with (list – mention – What is / are – numerate).			12+9
2.1	2.1.1	2.2	2.2.1	Can be assessed by Exams: MCQ, fill in the space of high level thinking questions - Long and short essays with (why – explain – how to predict – how to interpret – how to evaluate – how to formulate – compare – differentiate – Analyze / how to analyze –Classify.			15+14
Rubrics				Unsatisfactory	Developing	Satisfactory	50%
%				(0-39%)	(40-69%)	(70-100%)	
No. of students				0	4	17	

Assessment tools and outcomes assessment (Activities)

P.O	CLO	Homework			
1.2	1.2.1	Establish a personal scientific knowledge base that prepares them to read, to interpret, and to utilize scientific knowledge in parasitology			1
2.1 2.2	2.1.1 2.2.1	Recognize basic knowledge of medical parasites; their distribution, morphological characteristics, life cycles, pathogenesis			2
Rubrics		Unsatisfactory	Developing	Satisfactory	3%
%		(0-39%)	(40-69%)	(70-100%)	
No. of students		.	.	24	
P.O	CLO	Research papers			T.G
3.2	3.2.1	Work effectively in team during preparation of collective researches			1
4.2	4.2.1	Demonstrate the preparation of research and presentations by using technology in good manner Demonstrate an effective oral and written communication).			2
Rubrics		Unsatisfactory	Developing	Satisfactory	3%
%		(0-39%)	(40-69%)	(70-100%)	
No. of students		0	0	24	
P.O	CLO	Lab assessment			T.G
5.2	5.2.1	Perform microscopic examination Finish lab report in each section Demonstrate an ability to identify different parasites from microscopic specimens			4%
Rubrics		Unsatisfactory	Developing	Satisfactory	
%		(0-39%)	(40-69%)	(70-100%)	
No. of students		2	.	22	



Course title: Scientific Research Methodology **Course code:** BIO,415 **Year /semester:**1436 –

1437 H / 2nd semester

Consistency of outcomes of program and core course

Domains	A				B				C				D			E	
POCs	1.1	1.2	1.3	1.4	2.1	2.2	2.3	2.4	3.1	3.2	3.3	3.4	4.1	4.2	4.3	5.1	5.2
COCs																	

* POCs= program outcomes

*COLCs- course learning outcomes

Midterm 1 MD 1	Midterm 2 MD 2	Activities		
0	0	Research	Final Theoretical exam T.F	Total Degree
		40		
0		40	60	100

Instructor: Dr./Amal El-sayed

Head of program / Dept. : Dr. Mona makkia

Course grading system

Tools	Course learning outcomes									Total
	1.1.1	1.2.1	2.1.1	2.2.1	3.2.1	4.1.1	4.2.1	5.1.2	5.2.2	
MD1	0	0	0	0	0	0	0	0	0	0%
MD2	0	0	0	0	0	0	0	0	0	0%
Research	0	0	10	0	10	10*	10**	0	0	40%
Oral discussion	0	0	0	0	0	0	0	0	0	0%
Lab Ass.	0	0	0	0	0	0	0	0	0	0%
P.F Exam	0	0	0	0	0	0	0	0	0	0%
T.F Exam	22	10	0	28	0	0	0	0	0	60%
Total	22	10	10	28	10	10	10	0	0	100%

* Received through D2L gate ** Communication in class *** Lab. reports and Microscopic Examination

Domains	POCs	COLCs
A1	Collect integrated comprehensive knowledge of the basic principles and theories related to biology science and theories of education and learning which are necessary for professional preparation	Propose the subject and the aim of the work.
A2	Find the relationship between the theories of biology ,scientific, professional and other areas related to biology science	Describe the plan.
B1	Investigate the information and analyze them to study phenomena related to Biological science and teaching problems that she face , then using it in proposing innovative solutions based on her theoretical and practical background to take appropriate decisions	Explain results
B2	Analyze the relationship between the construction and function at the molecular , cellular , organic and ecological levels with explanation of the molecular mechanisms, metabolism and gene expression	Write an essay
C2	Exercise group's leadership in a variety of situations which require innovative responses	Show a trend towards accepting the opinions of others
D1	Communicate verbally and in written ways by using appropriate display forms for different issues with different recipients	- use internet and search for information.
D2	Use Appropriate information technology and communication in gathering information to interpret and implement it in teaching situations	-Innovate in presentation

Assessment tools and outcomes assessment (Exams)

P.O	CLO	Mid Term (1) Exam	T.G	
1.1 1.2	1.1.1 1.2.1	Can be assessed by Exams: MCQ - true or false ,short essays with (list – mention – What is / are – numerate).	0	
2.1 2.2	2.1.1 2.2.1	Can be assessed by Exams: MCQ of high level thinking questions - Long and short essays with (why – explain – how to predict – how to interpret – how to evaluate – how to formulate – compare – differentiate – Analyze / how to analyze – case study problems).	0	
			0	
Rubrics		Unsatisfactory	Developing	Satisfactory
%		(0-39%)	(40-69%)	(70-100%)
No. of student		4	0	0
P.O	CLO	Mid Term (2) Exam	T.G	
1.1 1.2	1.1.1 1.2.1	Can be assessed by Exams: MCQ - true or false ,short essays with (list – mention – What is / are – numerate).	0	
2.1 2.2	2.1.1 2.2.1	Can be assessed by Exams: MCQ of high level thinking questions - Long and short essays with (why – explain – how to predict – how to interpret – how to evaluate – how to formulate – compare – differentiate – Analyze / how to analyze – case study problems).	0	
			0	
Rubrics		Unsatisfactory	Developing	Satisfactory
%		(0-39%)	(40-69%)	(70-100%)
No. of students		0	0	0
P.O	CLO	Final Practical Exam	T.G	
5.1 5.2	5.1.1 5.2.1	Not applied	0	
			0	
Rubrics		Unsatisfactory	Developing	Satisfactory
%		(0-39%)	(40-69%)	(70-100%)
No. of students		0	0	0
P.O	CLO	Final Theoretical Exam	T.G	
1.1 1.2	1.1.1 1.2.1	Can be assessed by Exams: MCQ - true or false ,short essays with (list – mention – What is / are – numerate).	32	
2.1 2.2	2.1.1 2.2.2	Can be assessed by Exams: MCQ of high level thinking questions - Long and short essays with (why – explain – how to predict – how to interpret – how to evaluate – how to formulate – compare – differentiate – Analyze / how to analyze – case study problems).	38	
			60%	
Rubrics		Unsatisfactory	Developing	Satisfactory
%		(0-39%)	(40-69%)	(70-100%)
No. of students		0	0	7

Assessment tools and outcomes assessment (Activities)

P.O	CLO	Oral Discussion			T.G
3.2	3.2.1	Show a trend towards accepting the opinions of others			10
Rubrics		Unsatisfactory	Developing	Satisfactory	10%
%		(0-39%)	(40-69%)	(70-100%)	
No. of students		0	0	7	
P.O	CLO	Research			T.G
4.1 4.2	4.1.1 4.2.1	-use IT and search for information. -Innovate in presentation			30
Rubrics		Unsatisfactory	Developing	Satisfactory	30%
%		(0-39%)	(40-69%)	(70-100%)	
No. of students		0	0	7	
P.O	CLO	Lab assessment			T.G
5.1 5.2		Not applied			0%
Rubrics		Unsatisfactory	Developing	Satisfactory	0%
%		(0-39%)	(40-69%)	(70-100%)	
No. of students		0	0	0	



Course title: Animal physiology II **Course code:** ZOO 412 **Year /semester:**1436 – 1437 H / 2nd semester

Consistency of outcomes of program and core course

Domains	A				B				C				D			E	
POCs	1.1	1.2	1.3	1.4	2.1	2.2	2.3	2.4	3.1	3.2	3.3	3.2	4.1	4.2	4.3	5.1	5.2
COCs																	

* POCs= program outcomes

*COLCs- course learning outcomes

Midterm 1 MD 1	Midterm 2 MD 2	Activities			Total (MD 1, MD 2 & activities)	Final practical exam P.F	Final Theoretical exam T.F	Total Degree
		Homework H.W	Research RES.	Lab. Assessment Lab. Ass				
10	10	4	3	3				
MD/20		Activities+ Lab Ass. /10			30	20	50	100

Instructor: prof./ Zeinab Abd Elmohdy

Head of program / Dept Dr: Mona Makki

course grading system

Tools	Course learning outcomes								Total
	1.1.1	1.2.1	2.2.1	2.3.1	3.2.1	4.2.1	5.1.1	5.2.1	
MD1	6		4		0	0	0		10%
MD2		4		6	0	0	0		10%
HW			2*	2*		0	0		4%
Res.	0	0	0	0	1	2**	0		3%
C. A	0	0	0	0	0	0	0		-
Lab Ass.	0	0	0	0	0	0	3 ***		3%
P.F Exam	0	0	0	0	0	0	20		20%
T.F Exam	8	12	10	20	0	0	0		50%
Total	14	16	16	28	1	2	23		100%

* Received through D2L gate ** Written Communication *** Lab. reports and Microscopic Examination

Domains	POCs	COLCs
A1	Collect integrated comprehensive knowledge of the basic principles and theories related to biological science and theories of education which are necessary for professional preparation .	Recognize the structure of cardiovascular, Respiratory, Urinary and Endocrine System
A2	Find the relationship between the scientific biological theories and other scientific and professional fields related to biological science .	Determine the function of cardiovascular, Respiratory, Urinary and Endocrine System
B2	Analyze the relationship between the construction and function at the molecular , cellular , organic and ecological levels with explanation of the molecular mechanisms, metabolism and gene expression	Explain the mechanism of action of cardiovascular, Respiratory, Urinary and Endocrine systems.
B3	Conclude the reasons for the relatively complex problems in biological science, using variable forms of information technologies and other sources.	Analyze the phenomena and problems related to the function of cardiovascular, Respiratory, Urinary and Endocrine systems
C2	Exercise group's leadership in a variety of situations which require innovative responses	Participate effectively with colleagues in researches and presentations
D2	Use Appropriate information technology and communication in gathering information to interpret and implement it in teaching situations	Using advanced technology in collection and interpretation of data.
E1	Mastered the use of tools and, laboratory devices in dissection and conduction of practical experiments	Use properly laboratory devices and equipment in carrying out experiments for blood and urine samples
E2	Know well how to examine and draw microscopic sectors in a valid scientifically method	Examine and draw microscopic slides properly

Assessment tools and outcomes assessment (Exams)

P.O		CLO		Mid Term (1) Exam			T.G
1.1	1.1.1	Can be assessed by Exams: MCQ - true or false ,short essays with (list – mention – What is / are – numerate).					6
2.2	2.2.1	Can be assessed by Exams: MCQ of high level thinking questions - Long and short essays with (why – explain – how to predict – how to interpret – how to evaluate – how to formulate – compare – differentiate – Analyze).					4
Rubrics		Unsatisfactory		Developing		Satisfactory	
%		(0-39%)		(40-69%)		(70-100%)	
No. of student		0		12		14	
P.O		CLO		Mid Term (2) Exam			T.G
1.2	1.2.1	Can be assessed by Exams: MCQ – true or false question, Long and short essays with (list – mention – What is / are – numerate).					4
2.3	2.3.1	Can be assessed by Exams: MCQ ,fill in the space of high level thinking questions - Long and short essays with (why – explain – how to predict – how to interpret – how to evaluate – how to formulate – compare – differentiate – Analyze).					6
Rubrics		Unsatisfactory		Developing		Satisfactory	
%		(0-39%)		(40-69%)		(70-100%)	
No. of students		1		13		12	
P.O		CLO		Final Practical Exam			T.G
5.1	5.1.1	Can be assessed by Exam through carrying out experiments for blood and urine samples and identifying and drawing microscopic hematological specimen.					20
5.2	5.2.1						
Rubrics		Unsatisfactory		Developing		Satisfactory	
%		(0-39%)		(40-69%)		(70-100%)	
No. of students		0		3		23	
P.O		CLO		Final Theoretical Exam			T.G
1.1	1.1.1	Can be assessed by Exams: MCQ – true or false question, Long and short essays with (list – mention – What is / are – numerate).					20
1.2	1.2.1						
2.2	2.2.1	Can be assessed by Exams: MCQ, fill in the space of high level thinking questions - Long and short essays with (why – explain – how to predict – how to interpret – how to evaluate – how to formulate – compare – differentiate – Analyze / how to analyze –Classify.					30
2.3	2.3.1						
Rubrics		Unsatisfactory		Developing		Satisfactory	
%		(0-39%)		(40-69%)		(70-100%)	
No. of students		0		13		13	
						50%	

Assessment tools and outcomes assessment (Activities)

P.O	CLO	Homework			
2.2	2.2.1	Explain the mechanism of action of cardiovascular, Respiratory, Urinary and Endocrine systems.			2
2.3	2.3.1	Analyze the phenomena and problems related to the function of cardiovascular, Respiratory, Urinary and Endocrine systems			2
Rubrics		Unsatisfactory	Developing	Satisfactory	
%		(0-39%)	(40-69%)	(70-100%)	4%
No. of students		0	0	26	
P.O	CLO	Research			T.G
3.2	3.2.1	Participate effectively with colleagues in researches and presentations			1
4.2	4.2.1	Using advanced technology in collection and interpretation of data.			2
Rubrics		Unsatisfactory	Developing	Satisfactory	
%		(0-39%)	(40-69%)	(70-100%)	3%
No. of students		0	13	13	
P.O	CLO	Lab assessment			T.G
5.1	5.1.1	Use properly laboratory devices and equipment in carrying out experiments of blood and urine samples Examine and draw microscopic slides properly			3%
5.2	5.2.1				
Rubrics		Unsatisfactory	Developing	Satisfactory	
%		(0-39%)	(40-69%)	(70-100%)	3%
No. of students		0	8	18	