

University of Mosul

جامعة الموصل



College of Science

كلية العلوم

First Cycle – Bachelor's degree (B.Sc.) – Biology

بكالوريوس علوم - علوم الحياة



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1. Overview

This catalogue is about the courses (modules) given by the program of Biology to gain the Bachelor of Science degree. The program delivers (51) Modules with (6000) total student workload hours and **240 total ECTS**. The module delivery is based on the Bologna Process.

نظرة عامة

يتناول هذا الدليل المواد الدراسية التي يقدمها برنامج علوم الحياة للحصول على درجة بكالوريوس العلوم. يقدم البرنامج (51) مادة دراسية، على سبيل المثال، مع (٦٠٠٠) إجمالي ساعات حمل الطالب و **٢٤٠ إجمالي وحدات أوروبية**. يعتمد تقديم المواد الدراسية على عملية بولونيا.

2. Undergraduate Courses 2024-2025

Module 1

Code	Course/Module Title	ECTS	Semester
Bio-1101	General Zoology	8	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	2/3	108	92
Description			
This section includes a description of the module, 100-150 words			

Module 2

Code	Course/Module Title	ECTS	Semester
Bio-1102	Analytical Chemistry	8	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	2/3	108	92
Description			
This section includes a description of the module, 100-150 words			

Module 3

Code	Course/Module Title	ECTS	Semester
Sci-101	Mathematics	2	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2		33	17
Description			
This section includes a description of the module, 100-150 words			

Module 4

Code	Course/Module Title	ECTS	Semester
Bio-1103	Biophysics	8	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	2/3	108	92
Description			
This section includes a description of the module, 100-150 words			

Module 5

Code	Course/Module Title	ECTS	Semester
UOM104	Democracy and Human Rights	2	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2		33	17
Description			
This section includes a description of the module, 100-150 words			

Module 6

Code	Course/Module Title	ECTS	Semester
UOM101	Arabic Language	2	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2		45	5
Description			
This section includes a description of the module, 100-150 words			

Module 7

Code	Course/Module Title	ECTS	Semester
Bio-1204	General Botany	8	2
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	2/3	108	92
Description			
This section includes a description of the module, 100-150 words			

Module 8

Code	Course/Module Title	ECTS	Semester
Bio-1205	Organic Chemistry	8	2
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	2/3	108	92
Description			
This section includes a description of the module, 100-150 words			

Module 9

Code	Course/Module Title	ECTS	Semester
Bio-1206	Biostatistics	5	2
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	2	63	62
Description			
This section includes a description of the module, 100-150 words			

Module 10

Code	Course/Module Title	ECTS	Semester
Bio-1207	Safety and biosecurity	4	2
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	2 / / /	63	37
Description			
This section includes a description of the module, 100-150 words			

Module 11

Code	Course/Module Title	ECTS	Semester
UOM103	Computer Science	3	2
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/2/ /	63	12
Description			
This section includes a description of the module, 100-150 words			

Module 12

Code	Course/Module Title	ECTS	Semester
UOM102	English Language	2	2
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	1/ / /	45	5
Description			
This section includes a description of the module, 100-150 words			

Module 13

Code	Course/Module Title	ECTS	Semester
Bio-2308	Entomology I	5	3
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/3/ /	78	47
Description			
This section includes a description of the module, 100-150 words			

Module 14

Code	Course/Module Title	ECTS	Semester
Bio-2309	Plant Anatomy	5	3
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/3/ /	78	47
Description			
This section includes a description of the module, 100-150 words			

Module 15

Code	Course/Module Title	ECTS	Semester
Bio-23010	Invertebrates	6	3
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	1/3/ /	79	71
Description			
This section includes a description of the module, 100-150 words			

Module 16

Code	Course/Module Title	ECTS	Semester
Bio-23011	Biochemistry I	5	3
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/3 / /	78	47
Description			
This section includes a description of the module, 100-150 words			

Module 17

Code	Course/Module Title	ECTS	Semester
Bio-23012	Microbiology I	5	3
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/3 / /	78	47
Description			
This section includes a description of the module, 100-150 words			

Module 18

Code	Course/Module Title	ECTS	Semester
UOM2050	Crimes of the Baath party	2	3
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	///	33	17
Description			
This section includes a description of the module, 100-150 words			

Module 19

Code	Course/Module Title	ECTS	Semester
UOM2012	Arabic Language 2	2	3
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	///	33	17
Description			
This section includes a description of the module, 100-150 words			

Module 20

Code	Course/Module Title	ECTS	Semester
Bio-24113	Entomology II	4	4
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/2/ /	78	22
Description			
This section includes a description of the module, 100-150 words			

Module 21

Code	Course/Module Title	ECTS	Semester
Bio-24114	Plant Taxonomy	4	4
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/2/ /	78	22
Description			
This section includes a description of the module, 100-150 words			

Module 22

Code	Course/Module Title	ECTS	Semester
Bio-24115	Parasitology	4	4
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/2/ /	78	22
Description			
This section includes a description of the module, 100-150 words			

Module 23

Code	Course/Module Title	ECTS	Semester
Bio-24116	Biochemistry II	4	4
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/2/ /	78	22
Description			
This section includes a description of the module, 100-150 words			

Module 24

Code	Course/Module Title	ECTS	Semester
Bio-24117	Microbiology II	5	4
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)

2	/3 / /	78	47
Description			
This section includes a description of the module, 100-150 words			

Module 25

Code	Course/Module Title	ECTS	Semester
Bio-24018	Plant Groups	4	4
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/2 / /	78	22
Description			
This section includes a description of the module, 100-150 words			

Module 26

Code	Course/Module Title	ECTS	Semester
UOM2032	Computer Science2	3	4
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/2 / /	63	12
Description			
This section includes a description of the module, 100-150 words			

Module 27

Code	Course/Module Title	ECTS	Semester
UOM2022	English Language 2	2	4
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2		33	17
Description			
This section includes a description of the module, 100-150 words			

Module 1-28

Code	Course/Module Title	ECTS	Semester
Bio1-35019	Cell Biology	5	Five/Biology
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/3/ /	78	47
Description			
This section includes a description of the module, 100-150 words			

Module 1- 29

Code	Course/Module Title	ECTS	Semester
Bio1-35020	Ecology	5	Five/Biology
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/3/ /	78	47
Description			
This section includes a description of the module, 100-150 words			

Module 1-30

Code	Course/Module Title	ECTS	Semester
Bio1-35021	Biotechnology	5	Five/Biology
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/3/ /	78	47
Description			
This section includes a description of the module, 100-150 words			

Module 1-31

Code	Course/Module Title	ECTS	Semester
Bio1-35022	Mycology I	5	Five/Biology
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/3/ /	78	47
Description			
This section includes a description of the module, 100-150 words			

Module 1-32 E-L

Code	Course/Module Title	ECTS	Semester
Bio1-35023-L	Laboratory analysis	5	Five/Biology
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/3/ /	78	47
Description			
This section includes a description of the module, 100-150 words			

Module 1-32 E-A

Code	Course/Module Title	ECTS	Semester
Bio1-35023-A	Applied and Economic Entomology	5	Five/Biology
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/3/ /	78	47
Description			
This section includes a description of the module, 100-150 words			

Module 1-33

Code	Course/Module Title	ECTS	Semester
Bio1-35024	Mycotoxins	5	Five/Biology
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/3/ /	78	47
Description			
This section includes a description of the module, 100-150 words			

Module 1- 34

Code	Course/Module Title	ECTS	Semester
Bio1-36025	Plant Pathology	6	Six/BIOLOGY
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/3/ /	78	72
Description			
This section includes a description of the module, 100-150 words			

Module 1- 35

Code	Course/Module Title	ECTS	Semester
Bio1-36026	Histology	6	Six/BIOLOGY
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/3/ /	78	72
Description			
This section includes a description of the module, 100-150 words			

Module 1-36-E-D

Code	Course/Module Title	ECTS	Semester
Bio1-36027-D	Diagnostic parasite	6	Six/BIOLOGY
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/3/ /	78	72
Description			
This section includes a description of the module, 100-150 words			

Module 1-36-E-E

Code	Course/Module Title	ECTS	Semester
Bio1-36027-E	Endocrinology	6	Six/BIOLOGY
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/3/ /	78	72
Description			
This section includes a description of the module, 100-150 words			

Module 1-37

Code	Course/Module Title	ECTS	Semester
Bio1-36128	Pollution	4	Six/BIOLOGY
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	1/2/ /	64	36
Description			
This section includes a description of the module, 100-150 words			

Module 1- 38

Code	Course/Module Title	ECTS	Semester
Bio1-36129	Genetics	5	Six/BIOLOGY
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/3/ /	78	47
Description			
This section includes a description of the module, 100-150 words			

Module 1- 39

Code	Course/Module Title	ECTS	Semester
Bio1-36030	Allelopathy	3	Six/BIOLOGY
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/2/ /	63	12
Description			
This section includes a description of the module, 100-150 words			

Module 2-28

Code	Course/Module Title	ECTS	Semester
Bio2-35019	Soil Microbiology	5	Five/ Microbiology
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/3/ /	78	47
Description			
This section includes a description of the module, 100-150 words			

Module 2- 29-E-L

Code	Course/Module Title	ECTS	Semester
Bio2-35020-L	Laboratory Analysis	5	Five/ Microbiology
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/3/ /	78	47
Description			
This section includes a description of the module, 100-150 words			

Module 2- 29-E-L

Code	Course/Module Title	ECTS	Semester
Bio2-35020-C	Diagnostic parasite	5	Five/ Microbiology
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/3/ /	78	47
Description			
This section includes a description of the module, 100-150 words			

Module 2-30

Code	Course/Module Title	ECTS	Semester
Bio2-35021	Histology	5	Five/ Microbiology
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/3/ /	78	47
Description			
This section includes a description of the module, 100-150 words			

2-31

Code	Course/Module Title	ECTS	Semester
Bio2-35022	Ecology	5	Five/ Microbiology
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/3/ /	78	47
Description			
This section includes a description of the module, 100-150 words			

Module 2-32

Code	Course/Module Title	ECTS	Semester
Bio2-35023	Cell Biology	5	Five/ Microbiology
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/3/ /	78	47
Description			
This section includes a description of the module, 100-150 words			

Module 2-33

Code	Course/Module Title	ECTS	Semester
Bio2-35024	Classification and Bacterial groups	5	Five/ Microbiology
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/3/ /	78	47
Description			
This section includes a description of the module, 100-150 words			

Module 2- 34

Code	Course/Module Title	ECTS	Semester
Bio2-36025	Water Microbiology	5	Six/Microbiology
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/3/ /	78	47
Description			
This section includes a description of the module, 100-150 words			

Module 2-35

Code	Course/Module Title	ECTS	Semester
Bio2-36026	Bacterial Physiology	5	Six/Microbiology
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/3/ /	78	47
Description			
This section includes a description of the module, 100-150 words			

Module 2- 36

Code	Course/Module Title	ECTS	Semester
Bio2-36027	Animal Physiology	5	Six/Microbiology
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/3/ /	78	47
Description			
This section includes a description of the module, 100-150 words			

Module 2-37

Code	Course/Module Title	ECTS	Semester
Bio2-36128	Pollution	5	Six/Microbiology
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	1/2/ /	78	47
Description			
This section includes a description of the module, 100-150 words			

Module 2-38

Code	Course/Module Title	ECTS	Semester
Bio2-36129	Genetics	5	Six/Microbiology
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/2/ /	78	47
Description			
This section includes a description of the module, 100-150 words			

Module 2-39-E-A

Code	Course/Module Title	ECTS	Semester
Bio2-36030-A	Antibiotics	5	Six/Microbiology
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/3/ /	78	47
Description			
This section includes a description of the module, 100-150 words			

2-39-E-C

Code	Course/Module Title	ECTS	Semester
Bio2-36030-C	Mycotoxins	5	Six/Microbiology
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/3/ /	78	47
Description			
This section includes a description of the module, 100-150 words			

Module 1-40

Code	Course/Module Title	ECTS	Semester
Bio1-47031	Animal Physiology 1	6	Seven/BIOLOGY
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	1/3/ /	79	71
Description			
This section includes a description of the module, 100-150 words			

Module 1-41

Code	Course/Module Title	ECTS	Semester
Bio1-47032	Plant Physiology 1	5	Seven/BIOLOGY
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/3/ /	78	47
Description			
This section includes a description of the module, 100-150 words			

Module 1-42

Code	Course/Module Title	ECTS	Semester
Bio1-47033	Embryology	6	Seven/BIOLOGY
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	1/3/ /	79	71
Description			
This section includes a description of the module, 100-150 words			

Module 1-43

Code	Course/Module Title	ECTS	Semester
Bio1-47034	Quantitative Genetics	6	Seven/BIOLOGY
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	1/3/ /	79	71
Description			
This section includes a description of the module, 100-150 words			

Module 1-44

Code	Course/Module Title	ECTS	Semester
Bio1-47035	Molecular biology	5	Seven/BIOLOGY
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/3/ /	78	47
Description			
This section includes a description of the module, 100-150 words			

Module 1-45

Code	Course/Module Title	ECTS	Semester
Bio1-47036	Research Methodology	2	Seven/BIOLOGY
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2		33	17
Description			
This section includes a description of the module, 100-150 words			

Module 1-46

Code	Course/Module Title	ECTS	Semester
Bio1-48137	Animal Physiology 2	6	Eight/BIOLOGY
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	1/3/ /	79	71
Description			
This section includes a description of the module, 100-150 words			

Module 1-47

Code	Course/Module Title	ECTS	Semester
Bio1-48138	Plant Physiology 2	6	Eight/BIOLOGY
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	1/3/ /	79	71
Description			
This section includes a description of the module, 100-150 words			

Module 1-48

Code	Course/Module Title	ECTS	Semester
Bio1-48039	Comparative Anatomy	6	Eight/BIOLOGY
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	1/3/ /	79	71
Description			
This section includes a description of the module, 100-150 words			

Module1- 49

Code	Course/Module Title	ECTS	Semester
Bio1-48040	Biodiversity	6	Eight/BIOLOGY
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	1/3/ /	79	71
Description			
This section includes a description of the module, 100-150 words			

Module 1-50

Code	Course/Module Title	ECTS	Semester
Bio1-48041	Immunology	4	Eight/BIOLOGY
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/3/ /	78	22
Description			
This section includes a description of the module, 100-150 words			

Module 1-51

Code	Course/Module Title	ECTS	Semester
Bio1-48142	Research Project	2	Eight/BIOLOGY
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2		33	17
Description			
This section includes a description of the module, 100-150 words			

Module 2-40

Code	Course/Module Title	ECTS	Semester
Bio2-47031	Immunology	6	Seven/ MICROBIOLOGY
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	1/3/ /	79	71
Description			
This section includes a description of the module, 100-150 words			

Module 2-41

Code	Course/Module Title	ECTS	Semester
Bio2-47032	pathogenic Bacteriology	6	Seven/ MICROBIOLOGY
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	1/3/ /	79	71
Description			
This section includes a description of the module, 100-150 words			

Module 2-42

Code	Course/Module Title	ECTS	Semester
Bio2-47033	Food Microbiology	5	Seven/ MICROBIOLOGY
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/3/ /	78	47
Description			
This section includes a description of the module, 100-150 words			

Module 2-43

Code	Course/Module Title	ECTS	Semester
Bio2-47034	Mycology	5	Seven/ MICROBIOLOGY
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/3/ /	78	47
Description			
This section includes a description of the module, 100-150 words			

Module 2-44

Code	Course/Module Title	ECTS	Semester
Bio2-47035	Enzymology	6	Seven/ MICROBIOLOGY
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	1/3/ /	79	71
Description			
This section includes a description of the module, 100-150 words			

Module 2-45

Code	Course/Module Title	ECTS	Semester
Bio2-47036	Research Methodology	2	Seven/ MICROBIOLOGY
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2		33	17
Description			
This section includes a description of the module, 100-150 words			

Module 2- 46

Code	Course/Module Title	ECTS	Semester
Bio2-48037	Microbial Genetics	6	Eight/ MICROBIOLOGY
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	1/3/ /	79	71
Description			
This section includes a description of the module, 100-150 words			

Module 2-47

Code	Course/Module Title	ECTS	Semester
Bio2-48038	Virology	6	Eight/ MICROBIOLOGY
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	1/3/ /	79	71
Description			
This section includes a description of the module, 100-150 words			

Module 2- 48

Code	Course/Module Title	ECTS	Semester
Bio2-48139	Industrial Microbiology	6	Eight/ MICROBIOLOGY
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	1/3/ /	79	71
Description			
This section includes a description of the module, 100-150 words			

Module 2- 49

Code	Course/Module Title	ECTS	Semester
Bio2-48140	Fungal Taxonomy	5	Eight/ MICROBIOLOGY
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/3/ /	78	47
Description			
This section includes a description of the module, 100-150 words			

Module 2- 50

Code	Course/Module Title	ECTS	Semester
Bio2-48041	Molecular biology	5	Eight/ MICROBIOLOGY
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	/3/ /	78	47
Description			
This section includes a description of the module, 100-150 words			

Module 2-51

Code	Course/Module Title	ECTS	Semester
Bio2-48142	Research Project	2	Eight/ MICROBIOLOGY
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2		33	17
Description			
This section includes a description of the module, 100-150 words			

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