SAMPLE TESTS OF WRITTEN EXAMS AND CONCEPTS OF ORAL AND PRACTICAL EXAMS

FOR

INTEGRATED UNIVERSITY STUDY PROGRAM

MEDICAL STUDIES IN ENGLISH

FOR THE ACADEMIC YEAR 2024./2025.

MEDICAL CHEMISTRY AND BIOCHEMISTRY II (MFMSE301)

Sample test – written exam

Learning outcome code	Number of questions/assignments	Maximum number of points on the question/assignment	Minimum number of points for achieving the learning outcome
IU-MFMSE301-1	12	12	5
IU-MFMSE301-2	16	16	8
IU-MFMSE301-3	12	12	5
IU-MFMSE301-4	4	12	6
IU-MFMSE301-5	3	9	3
IU-MFMSE301-6	3	9	6

IU-MFMSE301-1 – twelve multiple choice questions with one correct answer (1 point x 12 = 12) The minimum number of points to achieve the learning outcome IU-MFMSE301-1 is 5.

IU-MFMSE301-2 – sixteen multiple choice questions with one correct answer (1 point x 16 = 16) The minimum number of points to achieve the learning outcome IU-MFMSE301-2 is 8.

IU-MFMSE301-3 – twelve multiple choice questions with one correct answer (1 point x 12 = 12) The minimum number of points to achieve the learning outcome IU-MFMSE301-3 is 5.

IU-MFMSE301-4 – four tasks of drawing structures and fill in the blanks (3 points x = 12) The minimum number of points to achieve the learning outcome IU-MFMSE301-4 is 6.

IU-MFMSE301-5 – three calculation tasks (3 points x = 9) The minimum number of points to achieve the learning outcome IU-MFMSE301-5 is 3.

IU-MFMSE301-6 – drawing structure + 2 calculation tasks (3 points x = 9) The minimum number of points to achieve the learning outcome IU-MFMSE301-6 is 6.

The range for each grade	excellent (5) – 91-100 % (64-70 points)
and passing threshold:	very good (4) – 79-90 % (55-63 points)
	good (3) – 67-78 % (47-54 points)
	sufficient (2) – 55-66 % (39-46 points)
	insufficient (1) – less than 55% (less than 39 points),
	provided that the minimum number of points to achieve the
	learning outcomes for each task is achieved.

Medicinska genetika (MFMSE302)

WRITTEN EXAM

Code of learning	Number of	Max. number of	Min. the number of points
outcome	questions/assignments	points on the	for achieving learning
		question/assigements	outcomes
IU- MFMSE302-1	16	16	8
IU- MFMSE302-2	16	16	8
IU- MFMSE302-3	18	18	9

(50 multiple choice questions, each correct answer earns one point).

IU-MFMSE302-1 minimum 8 points. IU-MFMSE302-2 minimum 8 points IU-MFMSE302-3 minimum 9 points

Range of points of	Additional clarifications:	
passing grades:	Evaluation criteria for the written exam:	
	Final written exam	
	27-33 = (2);	
	33-39= (3);	
	40-45 = (4);	
	46-50 = (5);	

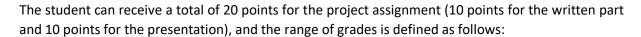
Notes:	The questions (multiple choice) consist of a clearly defined question and five
	(5) offered answers, of which there is always only one correct answer. There
	is no question with more than one correct answer and no negative points for
	wrong answers.

PROJECT TASK

For learning outcomes IU-MFM302-4 and IU-MFM302-5, students are required to do a project assignment. For the same, they will receive previously prepared topics, and they are required to prepare a written document of at least 3 pages in Word (spacing 1.5, font 12, Times New Roman style) and a presentation with a minimum of 10 slides, which they will present in 15 minutes in the allotted time. Through this project, students will search the diagnostic and educational databases of genetic disorders, describe the genetic causes of numerous disorders, and through this apply basic communication skills in the transmission of genetic information. The project assignment carries 20% of the final grade.

Learning	Name of contetnt	Max. number of points	Min. number of points on the
outcome code		on the question/task	question/task
IU- MFM302-4	Student writes a	10 points	5 points
	scientific paper		
IU- MFM302-5	Student argues and presents a scientific	10 points	5 points
	work		

Medicinska genetika (MFMSE302)





11-13-(2)

14-16- (3)

17-18-(4)

19-20 - (5)

The final grade is obtained as a weighting of the grades from the project assignment (20% of the grade) and the written exam (80% of the grade).

The grade is calculated as follows: grade on the written test x 0.8 + grade from the project assignment x 0.2. A grade below 0.5 is a grade below, and a grade above 0.5 is a grade above.

Histology and embryology— MFMSE303

Sample test of the written exam

Learning outcome code	Number of questions/tasks	Max. Number of points on the questions/tasks	Min.broj bodova za ostvarivanje ishoda učenja
IU-MFMSE303-3 IU-MFMSE303-5	30	30	15
IU-MFMSE303-4	30	30	15
IU-MFMSE303-3	20	20	10
IU-MFMSE303-5			
IU-MFMSE303-4	30	30	15

The written exam consists of two partial exams (H1+H2)

H1 (sixty multiple choice questions, each correct answer earns one point)

	Success in the written exam is scored according to the following key:
Range of points of passing grades:	Less than 36 points = grade 1 36 - 41 = grade 2 42 - 48 = grade 3 49 - 54 = grade 4 55 - 60 = grade 5 (provided that the minimum number of points is achieved to complete the learning outcomes for each task)

H2 (fifty multiple choice questions, each correct answer earns one point)

	Success in the written exam is scored according to the following key:
Range of points of passing grades:	Less than 30 points = grade 1 30 - 35 = grade 2 36 - 40 = grade 3 41 - 45 = grade 4 46 - 50 = grade 5 (provided that the minimum number of points is achieved to complete the learning outcomes for each task)

(H1+H2) Complete written test (110 multiple-choice questions, each correct answer earns one point)

	Success in the written exam is scored according to the following key:
	Less than 66 points = grade 1
	66 – 76 = grade 2
Range of points of	77 – 88 = grade 3
passing grades:	89 – 99 = grade 4
	100 – 110 = grade 5
	(provided that the minimum number of points is achieved to complete
	the learning outcomes for each task)

	The questions (multiple choice) consist of a clearly defined question
Remark	and five (5) offered answers, of which there is always only one correct
	answer. There is no question with more than one correct answer and
	no negative points for wrong answers.

Subject: Histology and embryology

Concept for practical exam

Learning outcome code	The name of the unit	Number of questions/tasks related to the learning outcome	Min. the number of answered questions / solved tasks to achieve learning outcomes
IU- MFMSE303-1 IU- MFMSE303-2	Recognizing the structure of different tissues and organs on microscopic preparations and photographs	21	12
Range of points of passing grades:		Less than 12 points = grade 1 12-14 = grade 2 15 - 17 = grade 3 18 - 19 = grade 4 20-21= grade 5	

Subject: Histology and embryology

Concept for oral exam

Learning outcome	The name of the unit	Number of	Min. the number of
code		questions/tasks	answered questions /
		related to the	solved tasks to achieve
		learning outcome	learning outcomes
IU- MFMSE303-3	General embryology	4	2
IU- MFMSE303-5	1 21		
IU- MFMSE303-4	General histology	4	2
IU- MFMSE303-3	Special embryology	4	2
IU- MFMSE303-5	, ,		
IU- MFMSE303-4	Special histology	4	2

	excellent (5) – all questions from all sections were answered correctly
	very good (4) – 13-14 questions answered correctly and a minimum
Range of points of	number of questions per unit
passing grades:	good (3) – correctly answered 12-11 questions and a minimum number of
	questions per unit
	sufficient (2) – 10 questions answered correctly and a minimum number
	of questions per unit
	insufficient (1) – the minimum number of questions for each unit was not
	answered

In the oral exam, the student answers four questions (please see the list below).

In the oral part of the exam, the student must demonstrate satisfactory knowledge in answering all the questions in order to pass the exam. List of exam questions:

GENERAL EMBRIOLOGY

- 1. Gametogenesis
- 2. Oogenesis
- 3. Spermatogenesis
- 4. The ovarian cycle
- 5. Fertilization
- 6. Cleavage
- 7. Uterus at the time of implantation
- 8. Bilaminar Germ Disc
- 9. Gastrulation
- 10. Notocord
- 11. Ectoderm derivatives
- 12. Neurulation
- 13. Derivatives of the mesodermal germ layer
- 14. Derivatives of the endodermal germ layer
- 15. External appearance of the embryo during the 2nd month
- 16. Fetal period (changes by months)
- 17. Development of the placenta (changes in trophoblasts)
- 18. Development of placental membranes

- 19. The structure of the placenta
- 20. The function of the placenta
- 21. Development of the umbilical cord
- 22. Amniotic fluid
- 23. Developmental anomalies (types of disorders)

SPECIAL EMBRIOLOGY

- 1. Neurocranial development
- 2. Development of viscerocranium
- 3. Development and growth of limbs
- 4. Development of vertebra
- 5. Skeletal muscle development and formation
- 6. Development and formation of the head muscles
- 7. Development and formation of limb muscles
- 8. Development of cardiac and smooth muscles
- 9. Formation of body cavity
- 10. Development of the diaphragm
- 11. Formation and position of the heart tube
- 12. Formation of the cardiac loop
- 13. Development of the venous sinus
- 14. Heart partitioning
- 15. Development of arteries and veins
- 16. Fetal circulation
- 17. Formation of the lung buds
- 18. Maturation of the lungs
- 19. Primitive gut tube
- 20. Development of mesenteries
- 21. Foregut development and derivatives
- 22. Midgut development and derivatives
- 23. Hindgut development and derivatives
- 24. Kidney development
- 25. Development of the urinary bladder and urethra
- 26. The development of the female gonads
- 27. The development of the male gonads
- 28. Development of female genital ducts
- 29. Development of male genital ducts
- 30. Development of external genitalia
- 31. Pharyngeal arch derivatives
- 32. Derivatives of pharyngeal pouches and clefts
- 33. Development of the tongue and thyroid gland
- 34. Development of viscerocranium
- 35. Tooth development
- 36. Spinal cord development
- 37. Differentiation of nervous system cells
- 38. Brain development
- 39. Development of the autonomic nervous system
- 40. Development of the inner ear
- 41. Development of the middle and outer ear
- 42. Development of the eye

43. Skin development

GENERAL HISTOLOGY

- 1. Intercellular junctions
- 2. Specialized formations on the cell surface
- 3. Basal lamina and membrane
- 4. Types of epithelium
- 5. Cells and fibers of connective tissue
- 6. Type 1 collagen biosynthesis
- 7. Basic intercellular matrix of connective tissue
- 8. Types of connective tissue
- 9. Lipid storage and release in the fat cell
- 10. Types of cartilage tissue
- 11. Bone tissue cells
- 12. Bone structure
- 13. Intramembrane ossification
- 14. Enchondral ossification
- 15. The structure of neurons
- 16. Synapses
- 17. Nervous Support Cells
- 18. Structure of the central nervous system
- 19. Nerve fiber structure
- 20. The structure of the autonomic nervous system
- 21. Organization and structure of skeletal muscle and fibers
- 22. Mechanism of muscular contraction
- 23. Motor plate
- 24. Structure of cardiac muscle tissue
- 25. Structure of smooth muscle tissue

SPECIAL HISTOLOGY

- 1. Structure of blood vessels
- 2. Types of capillaries
- 3. Blood cells
- 4. Bone marrow structure
- 5. Structure of lymphatic organs
- 6. Basic types of immune reactions
- 7. Immune system cells
- 8. Basic structure of the digestive tube
- 9. Oral cavity structure
- 10. Structure of the stomach
- 11. structure of the small and large intestine
- 12. Structure of the salivary glands
- 13. Pancreas structure
- 14. Liver structure
- 15. The structure of the conductive part of the respiratory system
- 16. Structure of respiratory part of the respiratory system
- 17. Skin structure
- 18. Hair structure

- 19. Structure of the kidney
- 20. Structure of the lower urinary system
- 21. Structure of the pituitary gland
- 22. Structure of the adrenal gland
- 23. Structure of thyroid gland and epithelial bodies
- 24. Structure of testes and prostate
- 25. Structure of male conducting ducts
- 26. Structure of the ovary
- 27. Structure of uterus and vagina
- 28. Structure of the mammary gland
- 29. Outer eye layer
- 30. Middle eye layer
- 31. Internal eye layer
- 32. Middle ear
- 33. Inner ear

	The final grade is generated from three evaluation elements:
Remark	1. The written exam makes up 50% of the final grade
	2. The practical exam makes up 20% of the final grade
	3. The oral exam makes up 30% of the final grade

BASIC NEUROSCIENCE (MFMSE304)

Written Exam Sample Test

Course learning outcome code	Number of questions	Max. number of points for the questions/tasks	Min. number of points required to achieve learning
			outcomes
IU-MFMSE304-1	25	25	14
IU-MFMSE304-2	20	20	11
IU-MFMSE304-3	15	15	8
IU-MFMSE304-4	13	13	7
IU-MFMSE304-5	11	11	6
IU-MFMSE304-6	10	10	6
IU-MFMSE304-7	4	4	2
IU-MFMSE304-8	2	2	1

IU- MFMSE304-1 (25 multiple-choice questions with one correct answer, 4 of which involve images of specific neuroanatomical structures; 1 point x 25 = 25 points). To achieve **IU- MFMSE304-1**, a minimum of 14 points is required.

IU-MFMSE304-2 (20 multiple-choice questions with one correct answer, 1 point x 20 = 20 points). To achieve **IU- MFMSE304-2**, a minimum of 11 points is required.

IU-MFMSE304-3 (15 multiple-choice questions with one correct answer, 1 point x 15 = 15 points). To achieve **IU- MFMSE304-3**, a minimum of 8 points is required.

IU- MFMSE304-4 (13 multiple-choice questions with one correct answer; 1 point x 13 = 13 points). To achieve **IU- MFMSE304-4**, a minimum of 7 points is required.

IU- MFMSE304-5 (11 multiple-choice questions with one correct answer; 1 point x 11 = 11 points). To achieve **IU- MFMSE304-5**, a minimum of 6 points is required.

IU- MFMSE304-6 (10 multiple-choice questions with one correct answer; 1 point x 10 = 10 points). To achieve **IU- MFMSE304-6**, a minimum of 6 points is required.

IU-MFMSE304-7 (4 specific problem-solving tasks regarding electrophysiology and neuron potentials; 1 point x 4 = 4 points). To achieve **IU-MFMSE304-7**, a minimum of 2 points is required. **IU-MFMSE304-8** (2 images of an bioelectrical potential; 1 point x 2 = 2 points). To achieve **IU-MFMSE304-8**, a minimum of 1 point is required.

Scores/grades	Excellent (5) – 91-100 points
	Very good (4) – 79-90 points
	Good (3) – 67-78 points
	Sufficient (2) – 55-66 points
	Insufficient (1) – less than 55 points,
	provided that the minimum number of points for achieving learning
	outcomes has been met.

Ispit iz kolegija Croatian language 2

Kod ishoda	Broj pitanja/zadatka	Max. broj bodova na	Min. broj bodova za
učenja		pitanju/zadatku	ostvarivanje ishoda učenja
MFMSE305-IU1	1. – 20.	70	35
MFMSE305-IU2			
MFMSE305-IU4			
	3. – 4.	4	2
MFMSE305-IU3			
MFMSE305-IU5	9.	6	3

1.	Dopui	nite sijeded	e recenice	;	
	•	prezenton	n glagola <i>n</i>	norati:	
	Kad in	naju ispite,	studenti _		čitati i učiti.
	Vi		biti točni k	ad idete na p	osao.
	•	niječnim p	orezentom	glagola mora	nti:
	Ako sv	/e znaš,	 	_više učiti.	
		ići	na posao	u subotu.	
	•	upitnim p	rezentom g	glagola <i>mora</i> t	ri:
			danas	s vratiti knjige	u knjižnicu? (mi)
2.	Upišite:				
	•	prezent gl	agola smje	eti:	
	Maja _		ići nave	čer van.	
	Tinejd	žeri	bit	i vani do 11 s	ati.
	•	niječni pre	ezent glago	ola smjeti:	
	Vi		raditi sve š	ti želite.	
	•	upitni pre	zent glagol	a smjeti:	
			pas u	ći u trgovinu?	
			stude	nt kasniti na	predavanja?

3.	Dovršite rečenice.
	Ja mogu
	Stariji ljudi ne mogu
4.	Dovršite rečenice:
	Studenti neće
	Političari hoće
5.	Napravite rečenice s ponuđenim riječima.
	Primjer: on, morati jesti, juha On mora jesti juhu.
	Ti, htjeti, bijela kava
	On, moći, dugo vježbati (upitna)
	Vi, smjeti, voziti, auto (upitna)
	Ja, trebati, piti, vitamin mn
	Ja, trebati, piti, vitamin mn. (niječna)
6.	Napravite rečenice s ponuđenim glagolima.
	Prijatelji, putovati, u, Južna Amerika
	Mi, kupovati, mlijeko, kruh, i, meso
7.	Odgovorite na pitanja.
	Gdje je Pariz? Pariz je u
	Gdje je Prag? Prag je u
8.	Upišite čije je što: pizza, piramide, sir, vulkani
	talijanska
	francuski
	islandski
	egipatske
9.	Dopunite sljedeće rečenice prijedlozima u, na, po, o.
	Veronika je u Zadru glavnom trgu. Ona je novinarka i treba pisati
	putopis Zadru. Zadar je poznat sportašima, na primjer
	Luki Modrići. I on ima mjesto putopisu.
10	Napravite rečenice uz pomoć perfekta glagola biti.
	Miu centru.
	On u kupovini.
	Jau kinu.
	Dijeteu parku. (niječna)
	Ona u bolnici. (niječna)
11.	Napravite upitne rečenice uz pomoć perfekta glagola biti.
	ona, na fakultetu

	djeca, u školi				
12	. Napišite perfekt.				
	Veronika	dugo	u s	ubotu. (spavati)	
	Veronika		_ u subotu	u u 9 sati. (probuditi s	se)
	Veronika i njezine	prijateljice _		·	u subotu. (odmarati
	se)				
13	. Dopunite rečenice	glagolom ı	ı futuru,		
		kolač	će. (peći, r	ni)	
		posa	o. (naći, o	n)	
14	. Što će Alvaro pokl	oniti? (bicik	l, bombon	ijera, knjiga, kravata	, magnet mn.)
	Alvaro će djevojci	pokloniti		, bratu	, Erwanu
	, prij	ateljici		i prijateljima iz Čilea	a
15	. Dopunite rečenice	e instrumen	talom.		
	Turisti putuju	·	(vlak mn.)		
	Ivana se često voz	i	(taksi)		
	Moji rođaci uvijek	putuju	•	(autobus)	
16	. Upišite zamjenicu	u instrume	ntalu.		
	Tko ide sa	na kon	cert? (ja)		
	Radit ću prezentao	ciju s	(o	na)	
	Želim razgovarati s	3	(ti)		
1/	. Upišite genitiv.			/ >	
	Volim jesti kolače				
	Nije dobro jesti pro		,	•	
10	Vegetarijanci jedu			(meso)	
10	. Napišite imenice ι	-		Nijomaa	
	3			-	
	2				
10	. Upišite točan oblil				
13	Čekam dva		ovjek/tjuui	•	
	Čekam pet				
	Ockam pet	•			
20	. Napišite kondicior	nal.			
	Marija		vremena.	(kuhati)	
	Ti (,	
	Ja danas	-		r.)	
	Mi sada	-	_	-	

Raspon bodova	odličan (5) – 63 – 70 osvojenih bodova
prolaznih ocjena:	vrlo dobar (4) – 55 – 62 osvojenih bodova
	dobar (3) – 47 – 54 osvojenih bodova
	dovoljan (2) – 39 – 46 osvojenih bodova
	nedovoljan (1) – manje od 38 bodova,
	pod uvjetom da je postignut minimalan broj bodova za ostvarivanje svakog
	ishoda učenja.
	Napomena: Ako se bude mijenjao ukupan broj bodova u testu, mijenjat će
	se i minimalan broj bodova za ostvarivanje ishoda učenja.

Medical Studies in English

Course: MEDICAL PHYSIOLOGY (MFMSE401)

WRITTEN EXAM / PARTIAL EXAMS

Learning outcome code	Number of questions/assignments	Maximum number of points on the question/assignment	Minimum number of points for achieving the learning outcome
IU- MFMSE401-1	80 MCQ	80	44
IU- MFMSE401-2	80 MCQ	80	44

The questions on the written part of the exam are of the multiple choice question type (MCQ), where as a rule only one of the five possible answers is correct. In order to meet the above-mentioned outcomes, the student must achieve a minimum of 44 points per outcome. The achieved outcomes (passed partial exams) are recognized throughout the academic year.

During classes, integration and repetition seminars are organized, where questions with multiple offered answers that correspond in difficulty to the questions on the test are analyzed. Furthermore, a total of 6 weekly tests with similar questions are given. Students can earn extra points on weekly tests.

Example of a question from the database:

Which statement is true regarding the transport of substances through the membrane?

- A. ions such as sodium and potassium pass through the cell membrane exclusively through active channels
- B. glucose can be transported by a secondary active transport
- C. The Na+/H+ exchanger is an example of primarily active transport
- D. water passes through the membrane by facilitated diffusion
- E. passive potassium-permeable channels have an activation gate on the inner side of the membrane

Range of points for passing grades:	44-53 = sufficient (2); 54-63 = good (3); 64-72 = very good (4); 73-80 (86) = excellent (5). Both outcomes (partial tests) are evaluated and graded separately, and valid throughout the academic year upon achievement.
Remark:	On partial exams in the pre-term (during classes), students who achieve a minimum of 42 points are also given additional points earned during classes. These are NOT added in the regular terms.

THE MIDTERM/COLLOQUIUM OF THE EXERCISES - OSCE

Learning outcome code: IU- MFMSE401-5

The colloquium of the exercises refers to the skill of measuring blood pressure. The student should demonstrate the ability to measure arterial pressure and interpret the measured values. The exam is conducted according to the model of an objectively structured clinical exam with one workstation. Students receive detailed instructions and a checklist during the corresponding exercises. Assessment is descriptive - passed/failed.

The colloquium is organized twice during classes. A passed colloquium is recognized as a part of the practical exam and is valid throughout academic year. Students who do NOT pass the colloquium during classes, have to pass the blood pressure measurement colloquium as one of the components of the practical exam.

THE PRACTICAL EXAM

The practical exam is evaluated descriptively - the student passed/failed.

Learning outcome code	Number of questions/assignments	Maximum number of points on the question/assignment	Minimum number of points for achieving the learning outcome
IU- MFMSE401-6	5	5	4
IU- MFMSE401-7	5	5	4

In addition to the outcomes listed in the table, for students who have not passed the blood pressure measurement colloquium, the practical exam also contains an OSCE station that examines the learning outcome: **IU-MFMSE401-5** (see description above).

To pass the practical exam, the student must successfully solve 4 tasks from ECG (80%) and 4 tasks from other sections (and eventually, the blood pressure measurement assignment, if not passed).

Failure in one section of the exam means that the student has failed the practical exam and must take the complete practical exam the next time they take the Medical Physiology exam.

Example of tasks:

Based on the shown record, determine the heart rate. Based on the data, determine the vital capacity.

THE ORAL EXAM

The written exam is followed by an oral exam. The student answers 4 questions. Each question must be answered. The learning outcomes that are checked in the oral exam are:

- IU- MFMSE401-3
- IU- MFMSE401-4

During oral exam, the integrative knowledge is assessed. The list of questions is available on the course website throughout the year. The student must give an acceptable answer to each question in order to pass the oral exam, and the answers are evaluated on the basis of their quality, coherence and integration of the subject matter, and additional 2-3 sub-questions may be given.

Example of an oral exam question:

Regulation of cardiac work

(knowledge of local regulation mechanisms, the influence of the sympathetic and parasympathetic NS on the heart rate, excitability and contractility of the heart, the influence of circulatory changes, concentration of ions and hormones on the heart's work, the influence of changes in the heart's work on the coronary circulation etc...)

THE FINAL GRADE

The final grade is obtained as the arithmetic mean of the grades from the written (two partial exams P1 and P2) and the oral exam (the sum of the grades from P1, P2 and the oral exam divided by 3), in accordance with Article 60, paragraph 7 of the Rulebook on Studying at the University of Mostar (May 2024 . year):

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average grade equal to or above 4.50 – excellent (5) average grade from 3.50 to 4.49 – very good (4) average grade from 2.50 to 3.49 – good (3) average grade from 2.00 to 2.29 – sufficient (2).
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Medical psychology

Sample test of the written exam

Learning outcomes	Number of questions/tasks	Max. number of points on the	The minimum number of points for achieving
	1	questions/tasks	learning outcomes
IU- MFM402-1	7	20	10
IU- MFM402-2	6	15	7
IU- MFM402-3	5	20	10
IU- MFM402-4	13	35	18
IU- MFM402-5	2	4	2
IU- MFM402-6	3	6	3

IU-MFM402-1 (five multiple choice questions with one correct answer (2 points x 5 = 10) + 2 questions writing a text answer (2x5 = 10 points). To achieve IU-MFM402-1 minimum 10 points.

IU-MFM402-2 minimum 10 points. IU-MFM402-2 (five multiple choice questions with one correct answer (2 points x = 5 = 10) + 1 text answer question (1x = 5 = 5 = 10). Minimum 7 points to complete IU-MFM402-2.

IU-MFM402-3 five calculation tasks (5x4 = 20 points) To complete IU-MFM402-3 a minimum of 10 points

IU-MFM402-4 (10 multiple choice questions with one correct answer (2 points x 10 = 20) + 3 questions Writing a text answer (3x5 = 15 points). To achieve IU-MFM402-4 minimum 18 points.

IU-MFM402-5 (two questions writing text answer (2x2 = 4) To achieve

IU-MFM402-5 minimum 2 points

IU-MFM402-6 (3 questions Writing a text answer - calculation of analysis results (3x2 = 6) To achieve IU-MFM402-6 minimum 3 points.

Range of points of	excellent (5) – 91-100 points won
passing grades:	very good (4) – 79-90 points won
	good (3) – 67-78 points won
	enough (2) – 55-66 points won
	insufficient (1) – less than 55 points,
	provided that the minimum number of points to achieve the
	learning outcomes for each task is achieved.

IMMUNOLOGY MFMSE403

SAMPLE TEST OF WRITTEN EXAM

Course learning outcome code	Number of questions	Max. number of points on the questions/tasks	Min. number of points for achieving learning outcomes
IU-MFMSE403- 1	10	10	5
IU-MFMSE403- 2	10	10	5
IU-MFMSE403- 3	10	10	5
IU-MFMSE403- 4	10	10	5
IU-MFMSE403- 5	10	10	5

IU-MFMSE403-1 (ten multiple-choice questions with one correct answer: 1 point x 10 = 10). The minimum number of points for achieving learning outcomes of the **IU-MFMSE403-1** code is 5.

IU-MFMSE403-2 (ten multiple-choice questions with one correct answer: 1 point x 10 = 10). The minimum number of points for achieving learning outcomes of the **IU-MFMSE403-2** code is 5.

IU-MFMSE403-3 (ten multiple-choice questions with one correct answer: 1 point x 10 = 10). The minimum number of points for achieving learning outcomes of the **IU-MFMSE403-3** code is 5.

IU-MFMSE403-4 (ten multiple-choice questions with one correct answer: 1 point x 10 = 10). The minimum number of points for achieving learning outcomes of the **IU-MFMSE403-4** code is 5.

IU-MFMSE403-5 (ten multiple-choice questions with one correct answer: 1 point x 10 = 10). The minimum number of points for achieving learning outcomes of the **IU-MFMSE403-5** code is 5.

The points range	excellent (5) – 46-50
of the final grade:	very good (4) – 40-45
	good (3) – 34-39
	sufficient (2) – 28-33
	insufficient (1) – less than 28 points,
	provided that the minimum number of points to achieve the learning
	outcomes for each task is achieved.

Course: PHYSICAL EDUCATION 2 - MEDICAL STUDIES IN ENGLISH

(MFMSE404)

Practical Assignment for the Course: Physical Education 2

Purpose: The purpose is to assess practical knowledge through participation in physical activities, monitoring student engagement, and evaluation based on the descriptive grade ("completed").

Evaluation elements:

1. Proper execution of warm-up exercises:

• During the practical class, students will demonstrate the performance of general preparatory exercises (warm-up).

• **Grade:** "Completed" if the student performs the exercises correctly and independently.

2. Participation in sports games:

• Students will actively participate in sports such as soccer (futsal, small soccer), handball, volleyball, basketball, and tennis.

• **Grade:** "Completed" if the student regularly participates and demonstrates basic skills and game rules.

3. Organization of active breaks:

 Students will design and conduct short programs for active breaks between lectures or during free time.

 Grade: "Completed" if the student successfully creates and demonstrates the active break program.

4. Engagement in outdoor activities:

• Students will participate in the organization of hiking trips or other outdoor activities.

• **Grade:** "Completed" if the student actively participates and contributes to the organization and execution of the activity.

5. Attendance and engagement in exercises:

 Attendance and student engagement in exercises will be monitored. Students who attend regularly (at least 80% of the classes) and actively participate will receive the descriptive grade "Completed."

Absences must be justified by medical reasons or participation in sports activities (elite athletes), in which case a written paper is required as a substitute for the exercises.

Evaluation:

• Attendance and engagement in exercises: 100% of the final grade.

• Students who attend more than 80% of the exercises automatically receive the grade "Completed."

Note:

For students exempt from exercises due to sports or health reasons, the replacement is writing a seminar paper on a topic related to physical exercise and health.

This approach focuses on practical application and assessment through attendance and participation in physical activities, aligning with the intended learning outcomes of the course.

Sample Test

Learning Outcome (LO)	Task Number	Maximum Points	Minimum Points Required for Learning Outcome
IU-MFMSE404-1	1.	30	15
IU-MFMSE404-2	2.	10	5
IU-MFMSE404-3	3.	20	10
IU-MFMSE404-4	4.	20	10
IU-MFMSE404-5	5.	20	10

For the practical part of the course *Physical and Health Education 2*, since the grade is based on regular attendance of exercises, we can define the point range as follows:

Point Range for the Descriptive Grade "Completed":

Attendance in exercises:

- 91-100 points: Exceptional effort, very active participation in all exercises, achieving maximum or nearly maximum points on tasks.
- **79-90 points:** Highly engaged students, regular attendance, and solid participation, with possible minor shortcomings.
- 67-78 points: Good engagement, regular attendance, with some tasks scoring fewer points.
- **55-66 points:** Minimum satisfactory criteria for passing, the student has completed all tasks and achieved the minimum points.

Final Descriptive Grade:

- "Completed" awarded to students who have accumulated at least 55 points (including meeting the minimum points for each learning outcome).
 - o Includes regular attendance (80% or more of the exercises) and active participation.
- "Not completed" awarded to students who have accumulated less than 55 points or failed to meet the minimum points for one or more learning outcomes.

This point range allows for flexibility, with a focus on regular attendance and engagement in exercises, aligning with the course's goals and learning outcomes.

TERATOLOGY - TAKING DRUGS DURING PREGNANCY MFMSEI03 - Medical studies in English

Course	Total number of	Maximum number of	Minimum number of points
learning	questions	points on questions	on questions
outcome code			
IU- MFMSEI03-	5	5	3
1			
IU- MFMSEI03-	5	5	3
2			
IU- MFMSE03I-	5	5	3
3			
IU- MFMSEI03-	5	5	3
4			
IU- MFMSEI03-	5	5	3
5			

The written exam consists of 25 questions, for which student provides a textual answer or chooses the correct answer (multiple choice question).

Examples of questions:

- Q1. List and explain at least three syndromes as examples of chromosomal structural abnormalities.
- Q2. Briefly explain at least two historical examples of anomalies that influenced the rise of teratology as scientific branch.
- Q3. List at least three drugs commonly used for various treatments and explain their potential to cause anomalies in foetus if used by mother during pregnancy.

The range for	The subject is considered passed for a student who has achieved at least
each grade and	55% of the points provided that the minimum number of points to achieve
passing	the learning outcomes for each task is achieved. The grade is descriptive.
threshold:	

HELLO KIDNEY MFMSEI04 - Medical studies in English

Course	Total number of	Maximum number of	Minimum number of points
learning	questions	points on questions	on questions
outcome code			
IU- MFMSEI04-	9	9	4
1			
IU- MFMSEI04-	8	8	4
2			
IU- MFMSE04-	8	8	4
3			

The written exam consists of 25 questions, for which student chooses the correct answer (multiple choice question).

The range for	The subject is considered passed for a student who has achieved at least
each grade and	55% of the points provided that the minimum number of points to achieve
passing	the learning outcomes for each task is achieved. The grade is descriptive.
threshold:	