Form: Course Syllabus		
	Form Number	EXC-01-02-02A
	Issue Number and Date	2/3/24/2022/2963 05/12/2022
	Number and Date of Revision or Modification	
	Deans Council Approval Decision Number	2/3/24/2023
	The Date of the Deans Council Approval Decision	23/01/2023
	Number of Pages	17

1.	**Course Title**	**Musculoskeletal Physiotherapy I**
2.	**Course Number**	**1801313**
3.	**Credit Hours (Theory, Practical)**	**(2,1)**
	Contact Hours (Theory, Practical)	**(2,4)**
4.	**Prerequisites/Corequisites**	**0507103 & 181202**
5.	**Program Title**	**B.Sc. in Physiotherapy**
6.	**Program Code**	**1801**
7.	**School/Center**	**Rehabilitation Sciences**
8.	**Academic Department**	**Physiotherapy**
9.	**Course Level**	**Undergraduate/ Third year**
10.	**Year of Study/Semester**	**2025/2026 – First semester**
11.	**Program Degree**	**Bachelor**
12.	**Other Departments involved in Teaching the course**	**None**
13.	**Main Teaching Instruction**	**English**
14.	**Learning Types**	**■ Face to Face ☐ Blended ☐ Fully Online**
15.	**Online Platform(s)**	**■ Moodle ■ Microsoft Teams**
16.	Issuing Date	**Oct - 2025**
17.	Revision Date	**Oct – 2025**

18. Course Coordinator

Name: Dr. Lara Al-Khlaifat	Contact hours: Sun. & Thur. 12-1
Office number: 324	Phone number: 5355000 Ext. 23217
Email: l.khlaifat@ju.edu.jo	Team account: 2UJ2024_MUSCULOSKELETAL PHYSIOTHERAPY II Section 1

19. Other Instructors

Name: Abd-Alrazaq Hadidi Email: abdhadidi5@gmail.com Contact hours: upon request Name: Lamees Zaatra Email:lames.zatra@yahoo.com Contact hours: upon request

20. Course Description

This course includes an introduction to principles of musculoskeletal evaluation, assessment and management of the joints of the lower extremities, and bone fractures including their normal and abnormal healing process and complications. Emphasis will be placed on the musculoskeletal evaluation and evidence-based management of different pathological, surgical and traumatic conditions and movement dysfunction related to the lower extremities. Lectures and laboratory sessions are used to develop skills in pathomechanics, patient evaluation, clinical decision-making, treatment planning and implementation for patient with lower extremity musculoskeletal dysfunction.

21. Program Learning Outcomes

Program Learning Outcomes Descriptors (PLOD)

PLO	National Qualification Framework Descriptors*		
	Knowledge (A)	Skills (B)	Competency (C)
1. Recognize, critically analyze and apply the conceptual frameworks and theoretical models underpinning physiotherapy practice	☒	☐	☐
2. Demonstrate comprehension of background knowledge that informs sound physiotherapy practice	☒	☐	☐
3. Demonstrate the ability to use online resources and technologies in professional development	☐	☒	☐
4. Display a professional commitment to ethical practice by adhering to codes of conduct and moral	☐	☐	☒

frameworks that govern the practice of physiotherapy.			
5. Evaluate the importance of and critically appraise research findings to inform evidence-based practice such that these skills could be utilized in continuing self-development	☐	☐	☒
6. Implement clinical reasoning, reflection, decision-making, and skillful application of physiotherapy techniques to deliver optimum physiotherapy management	☐	☐	☒
7. Adhere to the professional standards of physiotherapy practice in terms of assessment, management, outcome measurement, and documentation	☐	☐	☒
8. Display a willingness to promote healthy lifestyle and convey health messages to clients	☐	☐	☒
9. Value the willingness to exercise autonomy while appreciating the challenges associated with delivering physiotherapy services	☐	☐	☒
10. Display the ability to practice in a safe, effective, non-discriminatory, inter- and multi-disciplinary manner	☐	☒	☐
11. Demonstrate effective oral and written communication with clients, carers, and health professionals	☐	☒	☐

*Choose only on descriptor for each PLO; either knowledge, or skills, or competencies.

22. Course Learning Outcomes: By the end of this course, the student is expected to achieve the following Learning outcomes:

1. CLO 1 Interpret the biomechanics, pathomechanics, mechanisms of injuries, operative procedures and their precautions during rehabilitation of common injuries/disorders affecting the spine and joints of the upper limb. (K)
2. CLO 2 Apply different assessment and management techniques correctly taking into consideration the client's condition. (S)
3. CLO 3 Develop clinical reasoning skills by linking subjective and objective examination results to determine the appropriate management plan to the client's needs. (C)
4. CLO 4 Plan evidence-based management programs based on clients' needs to improve outcome. (C)

Matrix of Course Learning Outcomes according to National Qualification Framework Descriptors

CLO Number	Knowledge		Skills				Competencies
	Remember	Understand	Apply	Analyze	Evaluate	Create	
CLO 1		X					
CLO 2			X				
CLO 3							X
CLO 4							X

23. Matrix linking Course Learning Outcomes (CLOs) with Program Learning Outcomes (PLOs)

PLO* / CLO	1	2	3	4	5	6	7	8	9	10	11	**Descriptors		
1.		X										A		
2.										X			B	
3.						X								C
4.					X									C

***Map each Course Learning Outcome to ONLY one Program Learning Outcome based on Courses Matrix**

**** Descriptors are assigned based on (PLO) that was chosen and specified in the program learning outcomes matrix in item (21)**

23. Topic Outline and Schedule:

Week	Lecture	Topic	Student Learning Outcome	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
1	1.1	Introduction to MSK + Principle of MSK assessment	2.6	Face to face	Moodle and Microsoft Teams	**Synchronous**	Theoretical and practical exams	1
	1.2	Principle of MSK	2,6	Face to face	Moodle and	**Synchronous**	Theoretical and practical exams	1

Week	Lecture	Topic	Student Learning Outcome	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
		assessment (continued)			Microsoft Teams			
	1.3	------		Face to face	Moodle and Microsoft Teams	**Synchronous**	Theoretical and practical exams	--------
2	2.1	Fractures healing and general complications	2	Face to face	Moodle and Microsoft Teams	**Synchronous**	Theoretical and practical exams	2
	2.2	Fractures healing and general complications (cont.) + Local complications	2	Face to face	Moodle and Microsoft Teams	**Synchronous**	Theoretical and practical exams	2
	2.3	Lower quarter screening	2,6	Face to face	Moodle and Microsoft Teams	**Synchronous**	Theoretical and practical exams	1,5
3	3.1	Knee joint anatomy and biomechanics	2	Face to face	Moodle and Microsoft Teams	**Synchronous**	Theoretical and practical exams	2,4,8
	3.2	Patellofemoral disorders	2	Face to face	Moodle and Microsoft Teams	**Synchronous**	Theoretical and practical exams	2,4,8
	3.3	Principle of # management + Physiotherapy and fractures + Use of crutches and walkers	2,6	Face to face	Moodle and Microsoft Teams	**Synchronous**	Theoretical and practical exams	2,3

Week	Lecture	Topic	Student Learning Outcome	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
4	4.1	Patellofemoral disorders (continued)	2	Face to face	Moodle and Microsoft Teams	**Synchronous**	Theoretical and practical exams	1,2,5
	4.2	Physical examination and management of PFPS I	2,6	Face to face	Moodle and Microsoft Teams	**Synchronous**	Theoretical and practical exams	1,2,3,5
	4.3	Physical assessment of the knee (observation, palpation, examination, special tests)	2,6	Face to face	Moodle and Microsoft Teams	**Synchronous**	Theoretical and practical exams	1
5	5.1	Physical examination and management of PFPS II	2,6	Face to face	Moodle and Microsoft Teams	**Synchronous**	Theoretical and practical exams	1,2,5
	5.2	Meniscal injuries	2	Face to face	Moodle and Microsoft Teams	**Synchronous**	Theoretical and practical exams	1,2,5
	5.3	PFPS assessment + swelling tests+ Meniscal and ligamentous injury tests	2,6	Face to face	Moodle and Microsoft Teams	**Synchronous**	Theoretical and practical exams	1
6	6.1	Meniscal injuries (continued)	2	Face to face	Moodle and Microsoft Teams	**Synchronous**	Theoretical and practical exams	1,2,5
	6.2	Anterior Cruciate Ligament injury	2	Face to face	Moodle and Microsoft Teams	**Synchronous**	Theoretical and practical exams	1,2,5

Week	Lecture	Topic	Student Learning Outcome	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
	6.3	Knee and PF joints management (mobilization + exercises) +Knee taping + **discuss the midterm exam process and grading criteria**	2,6	Face to face	Moodle and Microsoft Teams	**Synchronous**	Theoretical and practical exams	1,2,3
7	7.1	PCL and medial and Lateral Collateral Ligaments injuries	2,6	Face to face	Moodle and Microsoft Teams	**Synchronous**	Theoretical and practical exams	1,2
	7.2	Knee OA	2,6	Face to face	Moodle and Microsoft Teams	**Synchronous**	Theoretical and practical exams	1,2,5
	7.3	**Midterm practical exam**	2,6	Face to face	Moodle and Microsoft Teams	**Synchronous**	Practical exam	1,2,3,5
8	8.1	Knee replacement surgeries	2,6	Online	Moodle and Microsoft Teams	**Asynchronous**	Theoretical and practical exams	2,5
	8.2	**Midterm exam**	2,6	Face to face	Moodle and Microsoft Teams	**Synchronous**	Theoretical exams	-------
	8.3	**No labs in midterm exam week**	-----	Face to face	Moodle and Microsoft Teams	**Synchronous**	Theoretical and practical exams	------

Week	Lecture	Topic	Student Learning Outcome	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
9	9.1	Ankle Joint Anatomy and Biomechanics	2	Face to face	Moodle and Microsoft Teams	**Synchronous**	Theoretical and practical exams	2,4,8
	9.2	Biomechanical examination of the foot and ankle	2,6	Face to face	Moodle and Microsoft Teams	**Synchronous**	Theoretical and practical exams	2,4,8
	9.3	Physical examination of the ankle and foot (special tests)	2,6	Face to face	Moodle and Microsoft Teams	**Synchronous**	Theoretical and practical exams	1,3
10	10.1	Foot fractures and ankle sprains	2	Face to face	Moodle and Microsoft Teams	**Synchronous**	Theoretical and practical exams	1,2
	10.2	Foot pathologies	2	Face to face	Moodle and Microsoft Teams	**Synchronous**	Theoretical and practical exams	1,2
	10.3	Foot and ankle mobilization + exercises + Ankle joint case studies	2,6	Face to face	Moodle and Microsoft Teams	**Synchronous**	Theoretical and practical exams	-------
11	11.1	Presentations	2,6	Face to face	Moodle and Microsoft Teams	**Synchronous**	Theoretical and practical exams	------
	11.2	Presentations	2,6	Face to face	Moodle and Microsoft Teams	**Synchronous**	Theoretical and practical exams	-------
	11.3	Physical examination of the hip	2.6	Face to face	Microsoft Teams	**Synchronous**	Theoretical and practical exams	1,5

Week	Lecture	Topic	Student Learning Outcome	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
		(history, observation, examination and palpation+ special tests)						
12	12.1	Hip joint anatomy and biomechanics + Intra-articular hip pathologies	2,6	Face to face	Moodle and Microsoft Teams	**Synchronous**	Theoretical and practical exams	2,4,8
	12.2	Extra-articular hip pathologies	2,6	Face to face	Microsoft Teams	**Synchronous**	Theoretical and practical exams	2,5
	12.3	Hip joint treatment: hip exercises + mobilization + case studies	2,6	Face to face	Microsoft Teams	**Synchronous**	Theoretical and practical exams	1,2,3
13	13.1	Presentations	2,6	Face to face	Moodle and Microsoft Teams	**Synchronous**	Theoretical and practical exams	------
	13.2	Presentations	2,6	Face to face	Moodle and Microsoft Teams	**Synchronous**	Theoretical and practical exams	------
	13.3	Case studies/ discussion/ revision	2,6	Face to face	Moodle and Microsoft Teams	**Synchronous**	Theoretical and practical exams	-------
14	14.1	Hip Osteoarthritis and Total hip arthroplasty	2,6	Face to face	Microsoft Teams	**Synchronous**	Theoretical and practical exams	2,5

Week	Lecture	Topic	Student Learning Outcome	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
	14.2	Hip joint fractures and dislocations	2	Face to face	Microsoft Teams	**Synchronous**	Theoretical and practical exams	2,5
	14.3	**Final practical exams**	2,6	Face to face		**Synchronous**	Theoretical and practical exams	1,2,3,4,5
15	15.1	Hip case discussion	2,6	Face to face	Moodle and Microsoft Teams	**Synchronous**	Theoretical and practical exams	-------

25. Evaluation Methods:

Course Evaluation Plan									
Evaluation Activity		**Mark***	**Course Learning Outcomes**						
			1	**2**	**3**	**4**			**Columns can be added by the number of outcomes**
First Exam (mid exam)		30%	X	X	X	X			
Second Exam		--							
Final Exam		30%	X	X	X	X			
Classwork									
Evaluation of Semester work	Projects\Reports								
	Research\Worksheets								
	Fieldwork visits								
	Midterm practical exam	10%	X	X	X	X			
	Final practical exam	20%	X	X	X	X			
	Portfolio								
	Presentations	10%				X			
	Simulation/Modeling								
	Discussion								
	Quizzes								
	Exercises								
	Interviews								
	Conferences								
	Any other evaluation activities approved by the faculty committee								
Total Marks (100%)		100%							

* According to the instructions for granting a bachelor's degree

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**According to the instructions of organizing semester work, tests, examinations, and grades for the bachelor's degree.

26. Course Requirements

Students should have a computer, internet connection, webcam, and an account on a Microsoft teams. They should regularly check e-learning portal for any announcements, tasks, and learning materials.

As a reference for lab materials, videos of the instructor (Lara Al-Khlaifat) have been uploaded on a Youtube channel **(Lara Al-Khlaifat).** You will be instructed every week which videos to watch and study so lab time is used to apply the different techniques and for discussions.

You would need the following in the practical sessions:

- Goniometers
- Reflex hammer
- Tape measures

27. Course Policy

A- Attendance policies:

- Students are expected to be on time.
- Repeated tardiness or leaving early will not be accepted.
- Students who miss class (or any portion of class) are responsible for the content. Online classes will be recorded and uploaded on Microsoft Teams. It is the student's responsibility to review the material of classes they missed.
- Attendance will be taken on every class throughout the semester.
- Absence of more than 15% of all the number of face-to-face classes (which is equivalent to 6 classes) requires that the student provides an official excuse to the instructor and the dean.
- If the excuse was accepted, the student is required to withdraw from the course.
- If the excuse was rejected, the student will not be allowed to sit for the final exam according to the regulations of The University of Jordan.

B- Absences from exams and submitting assignments on time:

- The instructor will not do any make-up exams.
- Exceptions for make-up exams and late submission of class assignments will be made on a case-by-case basis for true personal emergencies that are described as accepted in the regulations of the University of Jordan (e.g., documented medical, personal, or family emergency).
- It is the student's responsibility to contact the instructor within 24 hours of the original exam time to schedule a make-up exam.
- Late submission of assignments will result in deduction of 2 points for each day of delay.
- Makeup for the final exam may be arranged according to the regulations of The University of Jordan.

C- Health and safety procedures:

- Students will not be in direct contact with patients during this course.
- Students are not expected to use any heavy tools that might impose health and safety issues during this course.

D- Honesty policy regarding cheating, plagiarism, and misbehavior:

- Students are expected to observe all University guidelines pertaining to academic misconduct.
- Any work submitted by a student for academic credit must be the student's own work. Submission of work taken directly from another source (e.g., book, journal, internet, or another student work) will be considered plagiarism and the student/group will get a zero grade on that homework. In addition, if copying occurred, both the student who copied the work and the student who gave material to be copied (if applicable) will receive a zero for the assignment.
- All submitted work will be checked for the use of Artificial Intelligence resources. Usage of such resources should not exceed the percentage set in the homework guidelines.
- Students are expected to do work required for homework on their own. Asking other instructors at the University, staff, or other students to assist in or do any part of the assignment will negatively affect their grade on that assignment. The course instructor is the person the student needs to talk to if she/he has any difficulties pertaining to an assignment or project and is strongly encouraged to schedule an appointment with the instructor if such difficulties arise during the semester.
- Course materials prepared by the instructor, together with the content of all lectures and review sessions presented by the instructor are the property of the instructor. Video and audio recording of lectures and review sessions without the consent of the instructor is prohibited.
- Any forms of academic misconduct will be handled according to the University of Jordan guidelines.

E- Grading policy:

- Grading for this course will be determined based upon the accumulation of points for variety of assignments and exams.
- All work will be evaluated on completeness, organization, clarity of information, and the integration and application of the material.

F- Available university services that support achievement in the course:

- The University of Jordan provides many services to support social, health, and mental well-being of students in general and students with disabilities in specific. Students are advised to visit the Deanship of Students Affairs to learn more about those services.
- If you are a student with a disability for which you may request accommodations, please notify the instructor as soon as possible (email is acceptable) so the appropriate accommodations for this course can be made. Also, notify the staff of Services for Student with Disabilities (Deanship of Students Affairs) as soon as possible.

28. References

A- Required book(s), assigned reading and audio-visuals:

1. Magee D. (2020) Orthopaedic physical assessment. 7th edition, Saunders Elsevier

2. Giangarra C.E., Manske R.C. (2017) Clinical Orthopaedic Rehabilitation. A Team Approach. 4th edition
3. Kinser C., Borstad J. and Colby LA. (2022) Therapeutic Exercises Foundations and Techniques. 8th edition, F.A. Davis Company
4. Neumann DA. (2024) Neumann's Kinesiology of the Musculoskeletal System. 4th edition, Elsevier
5. Articles provided by lecturer

B- Recommended books, materials, and media:

1. Nordin M. and Frankel V. (2021) Basic Biomechanics of the Musculoskeletal System, 5th edition, Lippincott Williams and Wilkins, Philadeplphia, Pennsylvania
2. Levangie PK., Norkin CC., and Lewek MD (2019) Joint structure and function: A comprehensive analysis. 6th edition, FA Davis, Philadelphia.
3. Wineski LE (2024) Snell's Clinical anatomy by regions. 11th edition, Lippincott Williams and Wilkins, Philadeplphia, Pennsylvania

29. Additional Information

Students with disabilities:

- If you are a student with disability, please contact the course coordinator at the beginning of the term to inform them of any needs or adjustments you might have.
- According to University regulations, some students with disabilities can be allowed additional time during exams. This extra time is granted by an official letter from the University administration. Please discuss with the course coordinator your need for such extra time at the start of the term.
- All information you provide to the course coordinator will be dealt with confidentially.

Course material and copy rights:

- All material prepared by the course coordinator for the purposes of this course are the intellectual property of the course coordinator. It is only intended for the personal use of students for their individual learning.
- Sharing of course content with other people or via different platforms other than those used by the course coordinator is prohibited. The permission of the course coordinator must be sought before sharing of content.

All references and material related to the course will be uploaded on Moodle website (https://elearning.ju.edu.jo//)

This module builds on the knowledge and skill gained during other modules and provide further detailed knowledge on topic related to Musculoskeletal physiotherapy:

Biomechanics and kinesiology: Students will build on the knowledge gained from these two modules regarding the kinetics and kinematics of the different joints which will help in explaining the mechanisms of injury and planning management plans in musculoskeletal physiotherapy I module

Surgery for rehabilitation students: this module provides detailed information on the most common orthopaedic operations. The MSK I module will build on this knowledge by including the pre and post assessment and management procedures, contraindications, and precautions.

Musculoskeletal assessment: Students will build on the skills acquired during this module and implement them on different case scenarios related to musculoskeletal problem. These skills include range of motion and manual muscle testing

Therapeutic exercises 1 and 2: Students are required to implement the skills gained during these modules in the design and implementation of a therapeutic exercise program for patient with musculoskeletal disorders, taking into consideration the possible contraindications including stretching, strengthening, balance exercises.

Name of the Instructor or the Course Coordinator: ……Lara Al-Khlaifat……..…	Signature: ……LK..……	Date: …28/9/2025…
Name of the Head of Quality Assurance Committee/ Department … …….	Signature: … …...……	Date: ……..……
Name of the Head of Department … Mayis Aldughmi …….	Signature: …MD…...……	Date: ……..……
Name of the Head of Quality Assurance Committee/ School or Center ……Dr Lara Al-Khlaifat …….	Signature: ……LK……	Date: 2/11/2025 ……..……
Name of the Dean or the Director … Dr Lara Al-Khlaifat …….	Signature: ……LK……	Date: 2/11/2025 ……..……

Appendix 1: Practical assessment criteria

Student name:

	Marks
Q1: Correct Hypothesis - Without guidance 1 mark - With Guidance 0.5 mark	
Q1: Correct special test - Without guidance 1 mark - With Guidance 0.5 mark	
Q1: Correct performance - Without guidance 2 mark - With limited guidance 1 mark - With extensive guidance 0.5 mark	
Q1: Correct results - Without guidance 1 mark - With Guidance 0.5 mark	
Q2: Correct application of the requested assessment - Correct application without guidance 4 marks - Suboptimal performance without guidance 3 marks - Suboptimal performance with limited guidance 2 mark - Suboptimal performance with extensive guidance 1 mark - Wrong application 0 marks	
Q3: Correct application of mobilization technique - Correct application without guidance 4 marks - Suboptimal performance without guidance 3 marks - Suboptimal performance with limited guidance 2 mark - Suboptimal performance with extensive guidance 1 mark - Wrong application 0 marks	
Q 4 Correct application of requested exercise/ gait pattern/taping - Correct performance and reasoning without guidance 4 marks - Correct answer with suboptimal performance and reasoning without guidance 3 marks - Answered the question with limited guidance (reasoning) and performance is correct 2 marks - Many mistakes in performance and reasoning with extensive guidance 1 marks - Does not know 0 marks	
Total	/17

Appendix 2: Presentation details

In this project, you will be divided into groups of 7 students. Each group is required to search for an up to date evidence based article (preferably since 2020) on one of the topics discussed in this course and **present it in class**. There will be no duplication of topics and each group will determine their topic at the beginning of the term and send it to me for confirmation. **You are required to send me the chosen article before the presentation to be able to discuss it in class.**

The presentations will take **10 minutes only followed by 5 minutes for discussion** and will be presented in class during the course. You will be informed of the date of your presentation after the topics have been assigned to each group.

The following should be included in your presentation:

- Search strategy, databases and keywords and the number of articles from this search
- The title of the chosen article
- Why this article was chosen? (Justification)
- Aim of the study
- Explain the method including ethical issues, recruitment, inclusion and exclusion criteria, outcome measures, procedure, statistical analysis
- Results (significant and non-significant) for all outcome measures used in the article
- Conclusion
- Any study limitations
- Clinical implication

You could choose your preferred power point design, font size and type for the presentation, you could also add pictures and figures if you want but make sure it is clear to your audience.

Grading rubric

Names: Topic:

Criteria	Check list and feedback	Rubric				Mark
Search strategy, databases and keywords and the number of articles from this search		2 All required elements are mentioned	1 Missing one of the required elements	0 Not mentioned		
Justification of the chosen article		1 Logical and clear based on background knowledge	0 Not complete and lacks clear explanation			
Aim of the study		1 Clear	0 Not clear			
Explanation of the method including ethical issues, recruitment, inclusion and exclusion criteria, outcome measures, procedure, statistical analysis		4 All elements are mentioned clearly	3 All elements are mentioned but needs further clarification	2 Some elements are missing but those mentioned are clearly explained	1 Most elements are not mentioned and not clearly explained	
Results for all outcome measures (significant and non-significant)		3 Results of all outcome measures are mentioned clearly	2 Results of all outcome measures are mentioned but not clearly explained	1 Results of some outcome measure are mentioned clearly	0 Not mentioned or mentioned but not clearly explained	

Conclusion and any study limitations		2 Clear	1 Needs further clarification	0 Not clear	
Clinical implication		2 Mentioned clearly and are correct	1 Mentioned but are not directly related to the topic	0 Not mentioned	
Visual Appeal		2 There are no errors in spelling, grammar and punctuation. Information is clear and concise on each slide. Visually appealing/engaging	1 Too much information was contained on many slides. Minimal effort made to make slides appealing or too much going on.	0 There are many errors in spelling, grammar and punctuation. The slides were difficult to read and too much information had been copied onto them. No visual appeal	
Presentation Skills		2 Regular/constant eye contact, the audience was engaged, and the student held the audience's attention. Appropriate speaking volume & body language.	1 The students focused on only part of audience. Sporadic eye contact. The audience was distracted. The student could be heard by only half of the audience.	0 Minimal eye contact by the student focusing on small part of audience. The audience was not engaged. The student spoke too quickly or quietly making it	

			Body language was distracting.	difficult to understand. Inappropriate/disinterested body language.	
Teamwork		1 Equal participation and coordination among group members	0 Not organized		
Total					/20
The presentation lasts 10 + 2 minutes → the grade as it is The presentation lasts 10 + 6 minutes → the grade -1 The presentation lasts more than 20 minutes → the grade -2					

Group work

Member name	Key contributions/ What was done.	Comments