



Course Specifications

Course Title:	Biomechanics of Musculoskeletal System
Course Code:	372315-4
Program:	Bachelor in Physical Therapy Program (372000)
Department:	Physical Therapy Department
College:	College of Applied Medical Sciences
Institution:	Taif University

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A. Course Identification

1. Credit hours: 4 hours [3 theoretical & 1 practical]
2. Course type
a. University <input type="checkbox"/> College <input type="checkbox"/> Department <input checked="" type="checkbox"/> Others <input type="checkbox"/>
b. Required <input checked="" type="checkbox"/> Elective <input type="checkbox"/>
3. Level/year at which this course is offered: 7 th level /3rd year
4. Pre-requisites for this course (if any): Motion Analysis (372125-3)
5. Co-requisites for this course (if any): N/A

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	6hours/week (60 hours/semester)	100%
2	Blended	-	-
3	E-learning	-	-
4	Correspondence	-	-
5	Other	-	-

7. Actual Learning Hours (based on academic semester)

No	Activity	Learning Hours
Contact Hours		
1	Lecture	40
2	Laboratory/Studio	20
3	Tutorial	-
4	Others (specify)	-
	Total	60
Other Learning Hours*		
1	Study	80
2	Assignments	30
3	Library	20
4	Projects/Research Essays/Theses	12
5	Others (specify)	-
	Total	142

* The length of time that a learner takes to complete learning activities that lead to achievement of course learning outcomes, such as study time, homework assignments, projects, preparing presentations, library times

B. Course Objectives and Learning Outcomes

1. Course Description

This course is concerned with biomechanical behavior of the bone, muscles and cartilage under different types of stresses in healthy and pathological conditions. Moreover, this course explains kinematics, kinetics and pathomechanics of the hip, knee and foot.

2. Course Main Objective

This course provides the physical therapy students by the necessary knowledge and skill

related to normal kinematics and kinetics of bones, skeletal muscles, articular cartilage, hip joint, knee joint and ankle and foot under normal and pathological conditions.

3. Course Learning Outcomes

CLOs		Aligned PLOs
1	Knowledge:	
1.1	Recognize the mechanics of bone, muscles, cartilage and the lower extremity joints	K1
1.2	Describe the effect of loading modes on bone, muscles, cartilage and the lower extremity joints in normal and disabled subjects.	K2
2	Skills :	
2.1	Interpret human motion using mechanics of bone, muscles, cartilage and the lower extremity joints.	S1
2.2	Design the different treatment programs according to the mechanical principles and pathological condition.	S3
3	Competence:	
3.1	Implement the principles of training and updated topics of musculoskeletal biomechanics in the clinical situation in safe and effective way.	C4

C. Course Content

No	List of Topics (Theoretical)	Contact Hours
1	Biomechanics of bones: Ref.1; chapter 2, pp27-55	8
2	Biomechanics of muscles: Ref. 1; chapter 6, pp149-171	8
3	Biomechanics of articular cartilage: Ref.1; chapter 3, pp61-93	4
4	Biomechanics of bones: Ref.1; chapter 2, pp27-55	8
5	Biomechanics of muscles: Ref. 1; chapter 6, pp149-171	8
6	Biomechanics of articular cartilage: Ref.1; chapter 3, pp61-93	4
Total		40
No	List of Topics (practical)	Contact Hours
1	Bone stress-strain curve	ε
2	Mechanical variables and principles of muscle training	ε
3	Cartilage mechanical properties	υ
4	Hip kinematics, kinetics and pathomechanics	υ
5	Knee kinematics, kinetics and pathomechanics	ε
6	Ankle and foot kinematics, kinetics and pathomechanics	ε
Total		20

D. Teaching and Assessment

1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
1.0	Knowledge		
1.1	Recognize the mechanics of bone, muscles, cartilage and the lower	Lecture Discussion	Written exams Quiz

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
	extremity joints		
1.2	Describe the effect of loading modes on bone, muscles, cartilage and the lower extremity joints in normal and disabled subjects.		
2.0	Skills		
2.1	Interpret human motion using mechanics of bone, muscles, cartilage and the lower extremity joints.	Lecturing Problem-solving Practical training Role play	Written exam Oral exam Assignment Practical exam OSPE
2.2	Design the different treatment programs according to the mechanical principles and pathological condition.		
3.0	Competence		
3.1	Implement the principles of training and updated topics of musculoskeletal biomechanics in the clinical situation in safe and effective way.	Practical training Discussion Group work	Practical exam OSPE Rubrics

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Mid-term written exam	5th	20%
2	Mid-term practical exam	6th	10%
3	Presentation and/or assignment	8th	10%
4	Final practical exam	11th	20%
5	Final written exam	12th or 13th	40%

*Assessment task (i.e., written test, oral test, oral presentation, group project, essay, etc.)

E. Student Academic Counseling and Support

Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice :

The department has a committee for students' academic counseling. It works under the supervision of Students' Advisory Office, which is administratively and organizationally affiliated with the University's Vice Presidency for Academic Affairs & Development. The office is concerned with providing student support and academic, psychological and professional advising.

At the beginning of each academic year, students are distributed to academic advisors in the department. The academic advisors work as consultants; to know what their students face and to help them overcome their educational, psychological and social hurdles.

The students are closely monitored and advised by their advisors whenever they need (for instance in situations where the candidates show poor performance).

Each staff member has his office hours, which are clearly declared for the students.

Academic advising services includes:

- Deleting or adding courses and determine which optional courses that are best for

- students,
- Modifying schedules and offering advice concerning academic support.
 - Solving students' issues with their instructors,
 - Transferring students,
 - Discovering their talents,
 - Advising students on issues related to failure and working towards offering opportunities for their success.

Academic advising student handbook (<https://drive.google.com/file/d/1BUTpD-Hoc9dHidXlrGk8-3fNNHnvhbkNY/view>)

F. Learning Resources and Facilities

1. Learning Resources

Required Textbooks	<ol style="list-style-type: none"> 1. Norkin M, Frankel VH. Basic Biomechanics of the Musculoskeletal System. 3rd edition, 2000. 2. Norkin CC, Levangie PK. Joint structure and function. A comprehensive Analysis. 4th , F.A Davis, 2005. 3. James Watkins. The Pocket Podiatry Guide. Functional anatomy. 2009. 4. Roger Bartlett. Introduction to sports biomechanics. Analyzing human movement pattern. 2nd edition. 2007
Essential References Materials	Youlian Hong and Roger Bartlett. Routledge Handbook of Biomechanics and Human Movement Science. 2008
Electronic Materials	<ul style="list-style-type: none"> ▪ Link for the course at Blackboard Learn Portal on Taif university webpage (https://lms.tu.edu.sa/webapps/login/) ▪ SDL (on Taif University website).
Other Learning Materials	N/A

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	Class room Practical labs
Technology Resources (AV, data show, Smart Board, software, etc.)	Data show Internet access
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	Motion analysis

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Effectiveness of teaching and assessment strategies	- Students	- Indirect: (Course evaluation survey and focus group)

Evaluation Areas/Issues	Evaluators	Evaluation Methods
		discussion "small group of students").
	- Peer reviewer	- Indirect: Peer review report
Extent of achievement of course learning outcomes	Staff member.	Direct (Exams)
	- Students	- Indirect: Questionnaires
Quality of learning resources	Students and Staff members.	Indirect (Questionnaires).

Evaluation areas (e.g., Effectiveness of teaching and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)

Evaluators (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

Assessment Methods (Direct, Indirect)

H. Specification Approval Data

Council / Committee	Department council	Department
Reference No.	Meeting No.9	
Date	18/5/2022	



Course Specifications

Course Title:	Health Care Management Systems
Course Code:	372334-1
Program:	Bachelor of Physical Therapy Program (372000)
Department:	Department of Physical Therapy
College:	College of Applied Medical Sciences
Institution:	Taif University

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G. Course Quality Evaluation	7
H. Specification Approval Data	7

A. Course Identification

1. Credit hours:	1 (Theory)
2. Course type	
a.	University <input type="checkbox"/> College <input type="checkbox"/> Department <input checked="" type="checkbox"/> Others <input type="checkbox"/>
b.	Required <input checked="" type="checkbox"/> Elective <input type="checkbox"/>
3. Level/year at which this course is offered	7 th Level/ 3 rd Year
4. Pre-requisites for this course (if any):	N/A
5. Co-requisites for this course (if any):	N/A

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	-	-
2	Blended	-	-
3	E-learning	2 hour/week (20 hours/semester)	100%
4	Correspondence	-	-
5	Other	-	-

7. Actual Learning Hours (based on academic semester)

No	Activity	Learning Hours
Contact Hours		
1	Lecture	20
2	Laboratory/Studio	-
3	Tutorial	-
4	Others (specify)	-
	Total	20
Other Learning Hours*		
1	Study	40
2	Assignments	15
3	Library	10
4	Projects/Research Essays/Theses	6
5	Others(specify)	-
	Total	71

*The length of time that a learner takes to complete learning activities that lead to achievement of course learning outcomes, such as study time, homework assignments, projects, preparing presentations, library times

B. Course Objectives and Learning Outcomes

1. Course Description

This course introduces students to the basic concepts, principles and theories of management and leadership, and utilize this knowledge in planning physical therapy care.

2. Course Main Objective

The main objective of this course is to provide the basic and essential principles of health care and hospital management and enhancing the student's skills for managing health care centers and institutions.

3. Course Learning Outcomes

CLOs		Aligned PLOs
1	Knowledge:	
1.1	Describe the basic concepts, principles and theories of physical therapy management and leadership	K4
1.2	Identify the core concepts and different theories of managerial leadership, and act as an effective leader in the improvement of physical therapy and rehabilitation services	K4
2	Skills:	
2.1	Explain the skills required by physical therapy managers/leaders to create an effective work environment.	S4
2.2	Discuss the physical therapy manager's role in recruiting and selecting staff, staff development and client education, enhancing employee performance, conducting performance appraisals.	S4
3	Competence:	
3.1	Show self-learning abilities for preparation of assignments.	C1

C. Course Content

No	List of Topics	Contact Hours
1	Management and Organization. Stephen P. Robbins: Management 11 Edition (2012) Prentice Hall	8
2	Leadership and Motivation Stephen P. Robbins: Management 11 Edition (2012) Prentice Hall	2
3	Healthcare Information Systems (IS) Robert E Hoyt and Ann Yoshihashi: Health Informatics Practical Guide for Healthcare and Professionals 6 th Edition (2015) Informatics professionals Leading the way	2
4	Management of IS: System Theory, System Design and System evaluation. Robert E Hoyt and Ann Yoshihashi: Health Informatics Practical Guide for Healthcare and Professionals 6 th Edition (2015) Informatics professionals Leading the way	2
5	Human Resources Strategies Stephen P. Robbins: Management 11 Edition (2012) Prentice Hall	2
6	Health Care Marketing. Eric N. Berkowitz :Essentials for health care marketing Third Edition (2011) Jones & Bartlett Learning.	2
7	Improving Medical Performance (Total Quality Control) Nilufar Rakhmanova: Quality Improvement Handbook . A guide for enhancing the performance of health care systems. 1 st Edition (2017) FHI360.	2
Total		20

D. Teaching and Assessment

1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
1.0	Knowledge		
1.1	Describe the basic concepts, principles and theories of physical therapy management and leadership	Lecturing	MCQ Exam
1.2	Identify the core concepts and different theories of managerial leadership, and act as an effective leader in the improvement of physical therapy and rehabilitation services		
2.0	Skills		
2.1	Explain the skills required by physical therapy managers/leaders to create an effective work environment.	Lecturing Discussion	MCQ exams
2.2	Discuss the physical therapy manager's role in recruiting and selecting staff, staff development and client education, enhancing employee performance, conducting performance appraisals.		
3.0	Competence		
3.1	Show self-learning abilities for preparation of assignments.	Lecturing Discussion	Assignment

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Mid-term written exam	5th	30%
2	Presentation and/or assignment	8th	10%
3	Final written exam	12th or 13th	60%

*Assessment task (i.e., written test, oral test, oral presentation, group project, essay, etc.)



E. Student Academic Counseling and Support

Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice :

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The students are closely monitored and advised by their advisors whenever they need (for instance in situations where the candidates show poor performance).

Each staff member has his office hours, which are clearly declared for the students.

Academic advising services includes:

- Deleting or adding courses and determine which optional courses that are best for students,
- Modifying schedules and offering advice concerning academic support.
- Solving students' issues with their instructors,
- Transferring students,
- Discovering their talents,
- Advising students on issues related to failure and working towards offering opportunities for their success.

Academic advising student handbook (<https://drive.google.com/file/d/1BUTpD-Hoc9dHidXlrGk8-3fNNHnrbkNY/view>)

F. Learning Resources and Facilities

1. Learning Resources

Required Textbooks	- Stephen P. Robbins: Management 11 Edition (2012) Prentice Hall. ISBN 978-0-13-216384-2.
Essential References Materials	<ol style="list-style-type: none">1. Robert E Hoyt and Ann Yoshihashi: Health Informatics Practical Guide for Healthcare and Professionals 6th Edition (2015) Informatics professionals Leading the way.2. Nilufar Rakhmanova: Quality Improvement Handbook . A guide for enhancing the performance of health care systems. 1st Edition (2017) FHI360.3. Eric N. Berkowitz :Essentials for health care marketing Third Edition (2011) Jones & Bartlett Learning.

Electronic Materials	- Link for the course at Blackboard Learn Portal on Taif university webpage (https://lms.tu.edu.sa/webapps/login/)
Other Learning Materials	N/A

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	- Blackboard
Technology Resources (AV, data show, Smart Board, software, etc.)	Internet access
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	- N/A

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Effectiveness of teaching and assessment strategies	Students	Indirect (Course evaluation survey and focus group discussion "small group of students").
Extent of achievement of course learning outcomes	Staff member.	Direct (Exams)
Quality of learning resources	Students and Staff members.	Indirect (Questionnaires).

Evaluation areas (e.g., Effectiveness of teaching and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)

Evaluators (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

Assessment Methods(Direct, Indirect)

H. Specification Approval Data

Council / Committee	Department council
Reference No.	Meeting No.9
Date	18/5/2022



Course Specifications

Course Title:	Physical Therapy for Traumatology and Orthopedic Diseases
Course Code:	372317-4
Program:	Bachelor in Physical Therapy Program (37200)
Department:	Department of Physical Therapy
College:	College of Applied Medical Sciences
Institution:	Taif University

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1. Learning Resources	7
2. Facilities Required.....	7
G. Course Quality Evaluation	7
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A. Course Identification

1. Credit hours:	4 (3 theoretical + 1 practical)
2. Course type	
a.	University <input type="checkbox"/> College <input type="checkbox"/> Department <input checked="" type="checkbox"/> Others <input type="checkbox"/>
b.	Required <input checked="" type="checkbox"/> Elective <input type="checkbox"/>
3. Level/year at which this course is offered	7 th level/3 rd year
4. Pre-requisites for this course (if any):	NA
5. Co-requisites for this course (if any):	Biomechanics of Musculoskeletal system (372315-4) Traumatology and Orthopedics (372316-1)

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	6 hours (60 hours/ semester)	100%
2	Blended	---	---
3	E-learning	---	---
4	Correspondence	---	---
5	Other	---	---

7. Actual Learning Hours (based on academic semester)

No	Activity	Learning Hours
Contact Hours		
1	Lecture	40
2	Laboratory/Studio	20
3	Tutorial	-
4	Others (specify)	-
	Total	60
Other Learning Hours*		
1	Study	80
2	Assignments	30
3	Library	20
4	Projects/Research Essays/Theses	12
5	Others(specify)	-
	Total	142

*The length of time that a learner takes to complete learning activities that lead to achievement of course learning outcomes, such as study time, homework assignments, projects, preparing presentations, library times

B. Course Objectives and Learning Outcomes

1. Course Description

An essential theoretical and practical course that aims to provide students with knowledge and skill to be able to deal with musculoskeletal disorders (trauma and diseases), bases on previous and synchronized courses of musculoskeletal anatomy, mechanics, musculoskeletal assessment, therapeutic exercises and electro and hydrotherapy

2. Course Main Objective

After studying the course, the student will be able to:

Apply systematic evaluation for different traumatology and orthopedic cases, interpret results of evaluation, plan and execute a plan of physical therapy based on the applied evaluation.

This is achieved through providing theoretical knowledge, practical practice and self-learning.

3. Course Learning Outcomes

CLOs		Aligned PLOs
1	Knowledge:	
1.1	Recognize the pathomechanics, signs and symptoms and stages of disease/healing of various traumatology and orthopedics conditions	K2
1.2	Recognize various physical therapy techniques, modalities and methods employed in evaluation and treatment of traumatology and orthopedics conditions.	K3
1.3	Describe the principles, concepts, and processes of physical therapy methods of treatment used for treatment and rehabilitation of traumatology and orthopedics conditions and their surgeries	K3
2	Skills:	
2.1	Correlates between methods of treatment used to treat trauma and orthopedics conditions and aims of treatment according to stage of disease/healing	S2
2.2	Design and apply individualized physical therapy program for patients based on detected problems, nature of the disease/trauma, stage of healing and based on evidence	S3
3	Competence:	
3.1	Perform all assessment and treatment tasks correctly, safely and independently	C4
3.2	Uses different self learning skills; library, internet, etc. for preparing and introduce assignments.	C3

C. Course Content

No	List of Topics (Theoretical)	Contact Hours
1	Effect of immobilization + PT during immobilization	4
2	Shoulder joint (frozen shoulder)	4
3	Thoracic outlet syndrome	4
4	Carpal Tunnel Syndrome	4
5	Traumatic conditions of the upper limb	4
6	Spinal conditions (1+2)	4
7	Arthritis (Osteoarthritis + Rheumatoid arthritis)	4
8	Arthroplasty of the hip and knee	4
9	Traumatic conditions of the lower limb	4

١٠	Physical therapy after amputations	4
Total		40
No	List of Topics	Contact Hours
1	Physical examination of the shoulder region	3
2	Physical examination of the elbow	2
3	Physical examination of the wrist and hand	3
4	Physical examination of the cervical spine	2
5	Physical examination of the lumbar spine	2
٦	Physical examination of the hip and pelvis	3
٧	Physical examination of the knee	2
٨	Physical examination of the ankle	2
Total		20

D. Teaching and Assessment

1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
1.0	Knowledge		
1.1	Recognize the pathomechanics, signs and symptoms and stages of disease/healing of various traumatology and orthopedics conditions	Lecturing e-learning Discussion	Written exam Quiz
1.2	Explain the principles, concepts, mechanisms and processes of physical therapy methods of assessment and treatment used for treatment and rehabilitation of traumatology and orthopedics conditions and their surgeries	Lecturing e-learning Discussion	Written exam Quiz
2.0	Skills		
2.1	Judge patient's pathology/ problem, based on findings of assessment, and the need for further assessment/ methods of treatment	Lecturing e-learning Discussion	Written exam Case study
2.2	Correlate between methods of treatment used to treat trauma and orthopedics conditions and aims of treatment according to stage of disease/healing	Lecturing e-learning Discussion Case study	Written exam Case study
2-3	Design and apply individualized physical therapy program for patients based on detected problems, nature of the disease/trauma, stage of healing and based on evidence	Lecturing e-learning Discussion Case study	Written exam Case study
2-4	Apply physical therapy assessment tasks properly, safely, and independently.	Practical session Role playing	Practical exam
3.0	values		
3.1	Commit to the Islamic, ethical, professional standards and administrative aspect during	Practical session	Practical exam

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
	practicing physical therapy for musculoskeletal problems.		
3.2	Adapt self-learning and physical therapy evidence-based practice.	Discussion	Assignment

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Mid-term written exam	5th	20%
2	Mid-term practical exam (case study)	6th	10%
3	Assignment	8th	10%
4	Final practical exam	11th	20%
5	Final written exam	12th or 13th	40%

*Assessment task (i.e., written test, oral test, oral presentation, group project, essay, etc.)

E. Student Academic Counseling and Support

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The department has a committee for students' academic counseling. It works under the supervision of Students' Advisory Office, which is administratively and organizationally affiliated with the University's Vice Presidency for Academic Affairs & Development. The office is concerned with providing student support and academic, psychological and professional advising.

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- Transferring students,
- Discovering their talents,
- Advising students on issues related to failure and working towards offering opportunities for their success.

Academic advising student handbook (<https://drive.google.com/file/d/1BUTpD-Hoc9dHidXlrGk8-3fNNHnrbkNY/view>)

F. Learning Resources and Facilities

1. Learning Resources

Required Textbooks	Dutton M. (2020) Dutton Orthopedics: Examination, Evaluation and Intervention 5th Edition. New York, McGraw Hill Magee D. (2014) Orthopedic Physical Examination: 6th edition. Canada, Elsevier
Essential References Materials	- Kisner C, Colby LA (2007). Therapeutic Exercise: Foundations and Techniques (7th ed). Philadelphia, F.A. Davis Company - Hoppenfeld S (2019). Physical examination of the spine and extremities
Electronic Materials	- Link for the course at Blackboard Learn Portal on Taif university webpage (https://lms.tu.edu.sa/webapps/login/) - Pubmed.com - SDL.com - Youtube.com
Other Learning Materials	N/A

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	- None - Online course
Technology Resources (AV, data show, Smart Board, software, etc.)	- Computer - Internet access - Blackboard learning program
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	- N/A

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Effectiveness of teaching and assessment strategies	Students	Indirect (Course evaluation survey and focus group discussion "small group of students").
Extent of achievement of course learning outcomes	Staff member.	Direct (Exams and other evaluations)
Quality of learning resources	Students and Staff members.	Indirect

Evaluation Areas/Issues	Evaluators	Evaluation Methods
		(Questionnaires).

Evaluation areas (e.g., Effectiveness of teaching and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)

Evaluators (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)

Assessment Methods(Direct, Indirect)

H. Specification Approval Data

Council / Committee	Department council
Reference No.	Meeting No.9
Date	18/5/2022



Course Specifications

Course Title:	Traumatology and Orthopedic Diseases
Course Code:	372316-1
Program:	Bachelor in Physical Therapy Program (37200)
Department:	Department of Physical Therapy
College:	College of Applied Medical Sciences
Institution:	Taif University

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A. Course Identification

1. Credit hours:	1 (theoretical)
2. Course type	
a.	University <input type="checkbox"/> College <input type="checkbox"/> Department <input checked="" type="checkbox"/> Others <input type="checkbox"/>
b.	Required <input checked="" type="checkbox"/> Elective <input type="checkbox"/>
3. Level/year at which this course is offered	7 th level/3 rd year
4. Pre-requisites for this course (if any):	N/A
5. Co-requisites for this course (if any):	N/A

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	2 hour/week (20 hours/semester)	100%
2	Blended	-	-
3	E-learning	-	-
4	Correspondence	-	-
5	Other	-	-

7. Actual Learning Hours (based on academic semester)

No	Activity	Learning Hours
Contact Hours		
1	Lecture	20
2	Laboratory/Studio	-
3	Tutorial	-
4	Others (specify)	-
	Total	20
Other Learning Hours*		
1	Study	40
2	Assignments	15
3	Library	10
4	Projects/Research Essays/Theses	6
5	Others(specify)	-
	Total	71

*The length of time that a learner takes to complete learning activities that lead to achievement of course learning outcomes, such as study time, homework assignments, projects, preparing presentations, library times

B. Course Objectives and Learning Outcomes

1. Course Description

This course introduces a brief medical background of the most common traumatic and orthopedic disease and its etiology and management

2. Course Main Objective

The main objective of this course is to give the student basic knowledge about different traumatic conditions of the musculoskeletal system, the various methods of treatment for them and complications associated with each, as well as different orthopedic diseases and their treatment as an introduction for the next course (physical therapy for bone and muscle diseases)

3. Course Learning Outcomes

CLOs		Aligned PLOs
1	Knowledge:	
1.1	Identify the mechanical and physiological basis of orthopaedic trauma and disease and its complication.	K1
1.2	List the signs and symptoms of different orthopedic trauma and diseases.	K2
1.3	List assessment methods and findings for different orthopedic trauma and disease.	K2
1.4	Identify the conservative and surgical treatment for different orthopedic trauma and disease.	K3
2	Skills:	
2.1	Interpret findings of different methods of assessment.	S2
2.2	Differentiate between the mechanics of different methods of fixation	S1
3	Competence:	
3.1	Show self-learning abilities for preparation of assignments.	C3

C. Course Content

No	List of Topics	Contact Hours
1	Introduction to traumatology	2
2	Fracture healing	2
3	Complications of fractures	2
4	Fractures of U.L	2
5	Fractures of L.L	2
6	Fractures of the spine	2
7	Rheumatoid arthritis+ Osteoarthritis	2
8	Disc degeneration and prolapse	2
9	Ankylosing spondylitis	2
10	Spondylololthesis	2
Total		20

D. Teaching and Assessment

1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
1.0	Knowledge		
1.1	Identify the mechanical and physiological basis of orthopaedic trauma and disease and its complication.	Lecturing	Written exams Quiz
1.2	List the signs and symptoms of different orthopedic trauma and diseases.		
1.3	List assessment methods and findings for different orthopedic trauma and disease.		
	Identify the conservative and surgical treatment for different orthopedic trauma and disease.		
2.0	Skills		
2.1	Interpret findings of different methods of assessment.	Lecturing Discussion	Written exams Assignment Quiz
2.2	Differentiate between the mechanics of different methods of fixation		
3.0	Competence		
3.1	Show self-learning abilities for preparation of assignments.	Lecturing Discussion	Assignment

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Mid-term written exam	7th	30%
2	Presentation and or Assignment	9th	30%
3	Final written exam	12th or 13th	40%
	Total		100

*Assessment task (i.e., written test, oral test, oral presentation, group project, essay, etc.)

E. Student Academic Counseling and Support

Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice :

The department has a committee for students' academic counseling. It works under the supervision of Students' Advisory Office, which is administratively and organizationally affiliated with the University's Vice Presidency for Academic Affairs & Development. The office is concerned with providing student support and academic, psychological and professional advising.

At the beginning of each academic year, students are distributed to academic advisors in the department. The academic advisors work as consultants; to know what their students face and to help them overcome their educational, psychological and social hurdles.

The students are closely monitored and advised by their advisors whenever they need (for instance in situations where the candidates show poor performance).

Each staff member has his office hours, which are clearly declared for the students.

Academic advising services includes:

- Deleting or adding courses and determine which optional courses that are best for students,
- Modifying schedules and offering advice concerning academic support.
- Solving students’ issues with their instructors,
- Transferring students,
- Discovering their talents,
- Advising students on issues related to failure and working towards offering opportunities for their success.

Academic advising student handbook (<https://drive.google.com/file/d/1BUTpD-Hoc9dHidXlrGk8-3fNNHnrbkNY/view>)

F. Learning Resources and Facilities

1. Learning Resources

Required Textbooks	<ul style="list-style-type: none"> - Apley” s system of orthopedic and fracture. Louis Solomon, David J. Warwick and Slvadurai Nayagam - Trauma Management: An Emergency Medicine Approach, Peter C. Ferrera, Stephen A. Colucciello, John Marx, Vincent Verdile
Essential References Materials	<ul style="list-style-type: none"> - Journal of bone and joint surgery - Journal of applied orthopedic research
Electronic Materials	<ul style="list-style-type: none"> - Link for the course at Blackboard Learn Portal on Taif University webpage (https://lms.tu.edu.sa/webapps/login/) <ul style="list-style-type: none"> o SDL (on Taif University website).
Other Learning Materials	N/A

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	- Classroom
Technology Resources (AV, data show, Smart Board, software, etc.)	<ul style="list-style-type: none"> - Data show - Internet access
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	- N/A

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Effectiveness of teaching and assessment strategies	Students	Indirect (Course evaluation survey and focus group discussion "small group of students").
Extent of achievement of course learning outcomes	Staff member.	Direct (Exams)
Quality of learning resources	Students and Staff members.	Indirect (Questionnaires).

Evaluation areas (e.g., Effectiveness of teaching and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)

Evaluators (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

Assessment Methods(Direct, Indirect)

H. Specification Approval Data

Council / Committee	Department council
Reference No.	Meeting No.9
Date	18/5/2022

توصيف المقرر الدراسي

اسم المقرر:	الفقه الطبي
رمز المقرر:	20043207-2
البرنامج:	متطلبات الجامعة العامة - إجباري فقط لجميع الكليات الصحية
القسم العلمي:	مركز المتطلبات العامة بالتعاون مع كلية الشريعة والأنظمة.
الكلية:	عمادة الدراسات المساندة.
المؤسسة:	جامعة الطائف وفروعها

جدول المحتويات

- أ. التعريف بالمقرر الدراسي: ٣
- ب. هدف المقرر ومخرجاته التعليمية: ٣
١. الوصف العام للمقرر: ٣
٢. الهدف الرئيس للمقرر: ٣
- ٣ مخرجات التعلم للمقرر: ٤
- ج. موضوعات المقرر ٤
- د. التدريس والتقييم: ٥
١. ربط مخرجات التعلم للمقرر مع كل من استراتيجيات التدريس وطرق التقييم ٥
٢. أنشطة تقييم الطلبة ٥
- هـ - أنشطة الإرشاد الأكاديمي والدعم الطلابي: ٥
- و - مصادر التعلم والمرافق: ٦
١. قائمة مصادر التعلم: ٦
٢. المرافق والتجهيزات المطلوبة: ٦
- ز. تقويم جودة المقرر: ٦
- ح. اعتماد التوصيف ٦

أ. التعريف بالمقرر الدراسي:

١. الساعات المعتمدة: ساعتان
٢. نوع المقرر أ. <input checked="" type="checkbox"/> متطلب جامعة <input type="checkbox"/> متطلب كلية <input type="checkbox"/> متطلب قسم <input type="checkbox"/> أخرى <input type="checkbox"/> ب. <input checked="" type="checkbox"/> إجباري <input type="checkbox"/> اختياري
٣. السنة / المستوى الذي يقدم فيه المقرر: المستوى السادس
٤. المتطلبات السابقة لهذا المقرر (إن وجدت) لا يوجد
٥. المتطلبات المترتبة مع هذا المقرر (إن وجدت) لا يوجد

٦. نمط الدراسة (اختر كل ما ينطبق)

م	نمط الدراسة	عدد الساعات التدريسية	النسبة
1	المحاضرات التقليدية		
2	التعليم المدمج		
3	التعليم الإلكتروني	٢٨	١٠٠%
4	التعليم عن بعد		
5	أخرى		

٧. ساعات التعلم الفعلية للمقرر (على مستوى الفصل الدراسي)

م	النشاط	ساعات التعلم
ساعات الاتصال		
١	محاضرات	٢٨ ساعة
٢	معمل أو إستوديو	
٣	دروس إضافية	
٤	أخرى (تذكر)	
	الإجمالي	٢٨ ساعة
ساعات التعلم الأخرى*		
١	ساعات الاستذكار	٣٠
٢	الواجبات	٣٠
٣	المكتبة	٤
٤	إعداد البحوث/ المشاريع	٦
٥	أخرى (تذكر)	
	الإجمالي	٧٠

* هي مقدار الوقت المستمر في النشاطات التي تسهم في تحقيق مخرجات التعلم للمقرر، ويشمل ذلك: جميع أنشطة التعلم، مثل: ساعات الاستذكار، إعداد المشاريع، والواجبات، والعروض، والوقت الذي يقضيه المتعلم في المكتبة

ب- هدف المقرر ومخرجاته التعليمية:

١. الوصف العام للمقرر: يتناول المقرر القضايا الفقهية المتعلقة بالمسائل الطبية والصحية وكذلك الأحكام الفقهية المتعلقة بالتداوي وصناعة الدواء.
٢. الهدف الرئيس للمقرر: تمكين الطلاب من فهم القضايا الفقهية المتعلقة بالمسائل الصحية لدى طلاب الكليات الصحية بجامعة الطائف.

٣ مخرجات التعلم للمقرر:

رمز مخرج التعلم المرتبط للبرنامج خصائص الخريجين (TUGA)	مخرجات التعلم للمقرر
	1 المعارف
	1.1 أن يوضح الطالب مفهوم الفقه الطبي، وأهدافه، والأحكام الفقهية المتعلقة بالمرضى وكيفية علاجهم وحقوقهم الشرعية في التدوي.
	2 المهارات
١-٢	2.1 أن يستنتج الطالب أهمية الفقه بالأحكام الطبية وكيفية التعامل مع المرضى المصابين بالاعاهات الخطيرة.
١-٢	2.2 أن يميز الطالب بين أحكام الشريعة المتعلقة بالمرضى وبين أحكام الشريعة المتعلقة بالحالات الطبيعية.
١-٢	2.3 أن يستنبط الطالب مدى المحافظة على النفس من خلال استثناء الأحكام الخاصة بالمرضى.
	3 الكفاءات
٣-١	3.1 أن يتعاون الطالب مع زملائه في دراسة الحالات الطبية التي تستوجب أحكاماً جديدة.
٣-١	3.2 أن يستخدم الطالب ما تعلمه من أحكام فقهية خلال ممارساته الطبية.

ج. موضوعات المقرر

ساعات الاتصال	قائمة الموضوعات	م
٢	الوحدة الأولى: مدخل إلى الفقه الطبي. أولاً: المراد بالفقه الطبي ثانياً: اهتمام المسلمين الأوائل بعلم الطب.	١
٢	ثالثاً: حكم تعلم الطب. رابعاً: أهداف دراسة مقرر الفقه الطبي.	٢
٢	الوحدة الثانية: مقاصد الشريعة الإسلامية. أولاً: حفظ الدين ثانياً: حفظ النفس	٣
٢	ثالثاً: حفظ العقل رابعاً: حفظ العرض والنسل خامساً: حفظ المال	٤
٤	الوحدة الثالثة: القواعد الفقهية وأهم تطبيقاتها أولاً قاعدة: الضرر يزال ثانياً: قاعدة: الضرر يدفع بقدر الإمكان	٥
٢	ثالثاً: قاعدة: الضرر لا يزال بمثله رابعاً: قاعدة: الضرر الأشد يزال بالضرر الأخف	٦
٢	خامساً: قاعدة: درء المفسد مقدم على جلب المصالح سادساً: قاعدة: الضرورات تبيح المحظورات سابعاً: قاعدة: الضرورة تقدر بقدرها	٧
٢	الوحدة الرابعة: أحكام التدوي والمداوة. أولاً: حكم التدوي ثانياً: الجراحة الطبية ثالثاً: حكم التخدير	٨
٢	رابعاً: أحكام الأمراض المعدية والوبائية خامساً: حكم المداوة بين الجنسين سادساً: أحكام العورات والخلوة	٩
٢	الوحدة الخامسة: التدوي بالمحرمات أولاً: حكم التدوي بالمحرمات ثانياً: الأدوية المحتوية على الكحول	١٠
٢	ثالثاً: التدوي بالمخدّرات رابعاً: الأدوية المحتوية على الجيلاتين	١١

	خامساً: الأجزاء المأخوذة من غير مأكول اللحم كالخنزير	
٢	الوحدة السادسة: الإذن الطبي أولاً: معنى الإذن الطبي ثانياً: أهمية الإذن الطبي	١٢
٢	ثالثاً: حكم الإذن الطبي رابعاً: الحالات التي يسقط فيها الإذن الطبي	١٣
٢٨	المجموع	

د. التدريس والتقييم:

١. ربط مخرجات التعلم للمقرر مع كل من استراتيجيات التدريس وطرق التقييم

الرمز	مخرجات التعلم	استراتيجيات التدريس	طرق التقييم
1.0	المعارف		
1.1	أن يوضح الطالب مفهوم الفقه الطبي، وأهدافه، والأحكام الفقهية المتعلقة بالمرضى وكيفية علاجهم وحقوقهم الشرعية في التداوي.	المناقشة	الاختبارات، تقارير
2.0	المهارات		
2.1	أن يستنتج الطالب أهمية الفقه بالأحكام الطبية وكيفية التعامل مع المرضى المصابين بالعايات الخطيرة.	التعلم التعاوني - العصف الذهني	الملاحظة، عروض - الواجبات
2.2	أن يميز الطالب بين أحكام الشريعة المتعلقة بالمرضى وبين أحكام الشريعة المتعلقة بالحالات الطبيعية	التعلم التعاوني، المناقشة	الاختبارات
2.3	أن يستنتج الطالب مدى المحافظة على النفس من خلال استثناء الأحكام الخاصة بالمرضى	التعلم التعاوني، حل مشكلات	تقييم الأداء، والملاحظة
3.0	الكفاءات		
3.1	أن يتعاون الطالب مع زملائه في دراسة الحالات الطبية التي تستوجب أحكاماً جديدة	التعلم التعاوني - العصف الذهني.	عروض، وتقارير
3.2	أن يستخدم الطالب ما تعلمه من أحكام فقهية خلال ممارساته الطبية.	المشروعات	الاختبارات

٢. أنشطة تقييم الطلبة

م	أنشطة التقييم	توقيت التقييم (بالأسبوع)	النسبة من إجمالي درجة التقييم
١	تقارير-أوراق عمل	ممتد	١٠%
٢	تقديم شفوي - عروض	ممتد	١٥%
٣	الواجبات العملية	ممتد	١٥%
٤	الاختبار الدوري ١	٦	٢٠%
٥	الاختبار الدوري ٢	١٠	٢٠%
٦	الاختبار الدوري ٣	١٤	٢٠%
	الإجمالي		١٠٠%

أنشطة التقييم (اختبار تحريري، شفهي، عرض تقديمي، مشروع جماعي، ورقة عمل الخ)

هـ - أنشطة الإرشاد الأكاديمي والدعم الطلابي:

- تحديد الساعات المكتبية لعضو هيئة التدريس ومواعيدها بالجدول الدراسي بمقدار نصف عدد ساعات النصاب التدريسي لعضو هيئة التدريس.
- التواصل من خلال البريد الإلكتروني مع الطلاب وتقديم الدعم والإرشاد لهم.
- الاستفادة من نظام البلاك بورد للتعلم الإلكتروني بالجامعة في الاستشارات والإرشاد الأكاديمي للطلاب



و - مصادر التعلم والمرافق:

١. قائمة مصادر التعلم:

المرجع الرئيس للمقرر	الفقه الطبي إعداد الجمعية العلمية السعودية للدراسات الإسلامية الطبية الفقهية
المراجع المساندة	
المصادر الإلكترونية	المكتبة الوقفية www.waqfeya.com شبكة الألوكة www.alukah.net موقع الدرر السنية www.dorar.net مجمع الفقه الإسلامي www.iifa-aifi.org
أخرى	https://play.google.com/store/apps/details?id=com.blackboard.android.bbstudent&hl=ar تطبيق جامع الكتب التسعة للحديث النبوي :

٢. المرافق والتجهيزات المطلوبة:

العناصر	متطلبات المقرر
المرافق (القاعات الدراسية، قاعات العرض، قاعات... إلخ)	قاعات تدريس مجهزة بالمرافق، وألا يزيد عدد الطلبة فيها ٢٥ عن مطالباً في كل شعبة.
التجهيزات التقنية (جهاز عرض البيانات، السبورة الذكية، البرمجيات)	لا يوجد
تجهيزات أخرى (تبعاً لطبيعة التخصص)	لا يوجد

ز. تقويم جودة المقرر:

مجالات التقويم	المقيمون	طرق التقويم
فاعلية التدريس	الطلبة.	استطلاع رأى
فاعلية طرق تقييم الطلاب	أعضاء هيئة التدريس.	تقرير مقرر
مدى تحصيل مخرجات التعلم للمقرر	أعضاء هيئة التدريس.	تقرير مقرر
مصادر التعلم	أعضاء هيئة التدريس. الطلاب.	استبانة

مجالات التقويم (مثل فاعلية التدريس، فاعلة طرق تقييم الطلاب، مدى تحصيل مخرجات التعلم للمقرر، مصادر التعلم... إلخ) المقيمون (الطلبة، أعضاء هيئة التدريس، قيادات البرنامج، المراجع النظير، أخرى (يتم تحديدها) طرق التقويم (مباشر وغير مباشر)

ح. اعتماد التوصيف

جهة الاعتماد	عمادة الدراسات المساندة.
رقم الجلسة	٣
تاريخ الجلسة	١٤٤١/٥/٦