TISHK INTERNATIONAL UNIVERSITY FACULTY OF APPLIED SCIENCE Department of MEDICAL ANALYSIS, -2022 Fall

Course Information for MA 409 PATHOLOGY

	ode	Rea	ular Ser	nester	Theoretical	Practical	Credits	ECTS		
	409	9	7		2	-	2	3		
Name of Lecturer(s)- Academic Title:			Dayman Anyyar Assist Professor							
-		Assistant:	-							
		Language:	English							
		ourse Type:								
	C	Office Hours	Thursday 12:00-13:00							
	Coi	ntact Email:	payman.anwar@tiu.edu.iq Tel:07504533469							
	Teacher'	s academic								
		profile:								
Course Objectives:			By the end of this course students will be able to: 1-Understand important of pathological terms like, etiology, pathogenesis, morphology, biopsy and autopsy. 2-Understanding the etiology of diseases. 3-To know pathogenesis of important diseases and their complications 4-Discribe Morphological patterns of diseases that aid in diagnosis. 5-Link the morphological changes seen in diseases processes to functional consequences and prognosis. 6-Relate clinical signs an symptoms to disease processes to reach accurate diagnosis.							
		Description e overview):	knowledge of the basic concepts and principles of general pathology including cellular response to injury, etiology of cell injury, adaptive process, reversible and irreversible cell injury, intracellular accumulation, inflammation, healing and repair, hemodynamic disturbances such as edema, hyperemia and congestion, thrombosis, Embolism, infarction, and shock. The course also focuses on neoplasia, nomenclature of tumor, biology of tumor and etiology.							
\Maak	Harm	Data			COURSE CONTENT					
vveek 1	Hour 2	Date 4-7/10/2		Topic Introduction t	o Pathology					
2	2	10-14/10/2		Cell Injury1, -	•					
_	2	10-14/10/	2021	Cell Injury 1, -	Adaptation					
3	2	17-21/10/	2021	Cell injury 2	Revesable and irrevers	ible iniurv				
4	2	24-28/10/2	2021		Intracellular Accumulati					
				, ,						
5	2	31/10-4/11	/2021	Inflammation	1,- Acute					
6	2	7-11/11/2	021	Inflammation	2,- Chronic					
7	2	14-18/11/2		Midterm Exar						
8	2	21-25/11/2	2021	Midterm Exar	m					
9	2	28/11-2/12	/2021	Inflammation	4,- Healing and Repair					
10	2	5-9/12/2	021	Hemodynami	•					
				,	•					
11	2	2 12-16/12/2021		21 Hemodynamic 2,-Hyperemia and Congestion						
12	2	19-23/12/2	2021	Hemodynami	ic 3,-Thrombosis					
13	2	26-30/12/2	2021	Hemodynami	ic 4,- Embolism					

1	15	2	9-13/1/2	022	Final Exam					
1 Understand causes and mechanism of Cell Injury 2 Identify types of Inflammation 3 Learn Hemodynamic Disorders COURSE'S CONTRIBUTION TO PROGRAM OUTCOMES (Blank: no contribution, I: Introduction, P: Profecient, A: Advanced) Program Learning Outcomes Evaluate clinical laboratory data by interpreting laboratory results and relating the data to various disease states. a apply principles of evidence-based medicine to determine clinical diagnoses. apply the basic principles of gross and microscopic anatomy, physiology, biochemistry, immunology, microbiology/virology. formulate and implement acceptable treatment modalities to various disease states. 5 use technology effectively in the delivery of instruction, assessment, and professional development, exhibit essential employability qualities by demonstrating laboratory safety, analyzing laboratory results, and displaying professional conduct. 7 exhibit essential employability qualities by demonstrating laboratory safety, analyzing laboratory results, and displaying professional conduct. 8 apply skills needed in operating laboratory equipment for testing, assessing quality assurance for lab equipment, and adhering to standard safety practices in the laboratory environment. 9 apply problem-solving and decision-making skills. 10 apply and promote health policies and regulatory standards in the field career. 11 develop research in the field of medical analysis using qualitative and quantitative methods. Prerequisites (Course Reading List and References): Student's obligation (Special Requirements): Student should attend all lectures and actively participate in scientific discussions. Course Book/Textbook: -Robbins Basic Pathology 10th Edition -Robbins Pathologic basis of Disease 10th Edition -Robbins Pathologic	16	2	16-20/1/2	2022	Final Exam					
Learn Hemodynamic Disorders COURSE'S CONTRIBUTION TO PROGRAM OUTCOMES (Blank: no contribution, it. Introduction, P: Profecient, A: Advanced) Program Learning Outcomes Evaluate clinical laboratory data by interpreting laboratory results and relating the data to various disease states. apply principles of evidence-based medicine to determine clinical diagnoses. apply the basic principles of gross and microscopic anatomy, physiology, biochemistry, immunology, microbiology/virology. formulate and implement acceptable treatment modalities to various disease states. sues technology effectively in the delivery of instruction, assessment, and professional development. exhibit essential employability qualities by demonstrating laboratory safety, analyzing laboratory results, and displaying professional conduct. exhibit organizational skills, accountability, and ethical behavior. apply skills needed in operating laboratory equipment for testing, assessing quality assurance for lab equipment, and adhering to standard safety practices in the laboratory environment. apply problem-solving and decision-making skills. prerequisites (Course Reading List and References): Student's obligation (Special Requirements): Course Book/Textbook: —Robbins Basic Pathology 10th Edition -Robbins Pathologic basis of Disease 10th Editor -Robbins Patholog					COURSE/STUDENT L	EARNING OU	TCOMES			
COURSE CONTRIBUTION TO PROGRAM OUTCOMES (Blank: no contribution, I: Introduction, P: Profecient, A: Advanced) Program Learning Outcomes Evaluate clinical laboratory data by interpreting laboratory results and relating the data to various disease states. apply principles of evidence-based medicine to determine clinical diagnoses. apply the basic principles of gross and microscopic anatomy, physiology, biochemistry, immunology, microbiology/brology. formulate and implement acceptable treatment modalities to various disease states. formulate and implement acceptable treatment modalities to various disease states. formulate and implement acceptable treatment modalities to various disease states. formulate and implement acceptable treatment modalities to various disease states. formulate and implement acceptable treatment modalities to various disease states. formulate and implement acceptable treatment modalities to various disease states. formulate and implement acceptable treatment modalities to various disease states. formulate and implement acceptable treatment modalities to various disease states. formulate and professional development. exhibit corganizational skills, accountability, and ethical behavior. exhibit organizational skills, acco	1	Under	stand causes	and m	echanism of Cell Injury					
COURSE'S CONTRIBUTION TO PROGRAM OUTCOMES (Blank : no contribution, I: Introduction, P: Profecient, A: Advanced) Program Learning Outcomes Evaluate clinical laboratory data by interpreting laboratory results and relating the data to various disease states. apply principles of evidence-based medicine to determine clinical diagnoses. apply the basic principles of gross and microscopic anatomy, physiology, biochemistry, immunology, microbiology/briology. formulate and implement acceptable treatment modalities to various disease states. see technology effectively in the delivery of instruction, assessment, and professional development. exhibit essential employability qualities by demonstrating laboratory safety, analyzing laboratory results, and displaying professional conduct. exhibit organizational skills, accountability, and ethical behavior. apply skills needed in operating laboratory equipment for testing, assessing quality assurance for lab equipment, and adhering to standard safety practices in the laboratory environment. apply problem-solving and decision-making skills. apply and promote health policies and regulatory standards in the field career. develop research in the field of medical analysis using qualitative and quantitative methods. Prerequisites (Course Reading List and Robbins Basic Pathology 10th Edition -Robbins Pathologic basis of Disease 10th Employed to the Course Book/Textbook:	2	• •								
(Blank: no contribution, I: Introduction, P: Profecient, A: Advanced) Program Learning Outcomes Evaluate clinical laboratory data by interpreting laboratory results and relating the data to various disease states. 2 apply principles of evidence-based medicine to determine clinical diagnoses. 3 apply the basic principles of gross and microscopic anatomy, physiology, biochemistry, immunology, microbiology/vinclogy. 4 formulate and implement acceptable treatment modalities to various disease states. 5 use technology effectively in the delivery of instruction, assessment, and professional development. 6 exhibit essential employability qualities by demonstrating laboratory safety, analyzing laboratory results, and displaying professional conduct. 7 exhibit organizational skills, accountability, and ethical behavior. 8 apply skills needed in operating laboratory equipment for testing, assessing quality assurance for lab equipment, and adhering to standard safety practices in the laboratory environment. 9 apply problem-solving and decision-making skills. 10 apply and promote health policies and regulatory standards in the field career. 11 develop research in the field of medical analysis using qualitative and quantitative methods. Prerequisites (Course Reading List and References): Student's obligation (Special Requirements): Course Book/Textbook; Course Book/Textbook; Robbins Basic Pathology 10th Edition -Robbins Pathologic basis of Disease 10th Editor -Robbins Pathologi	3									
Program Learning Outcomes Evaluate clinical laboratory data by interpreting laboratory results and relating the data to various disease states. 2 apply principles of evidence-based medicine to determine clinical diagnoses. apply the basic principles of gross and microscopic anatomy, physiology, biochemistry, immunology, microbiology/briology. 4 formulate and implement acceptable treatment modalities to various disease states. 5 use technology effectively in the delivery of instruction, assessment, and professional development. exhibit organizational skills, accountability, and ethical behavior. 6 exhibit organizational skills, accountability, and ethical behavior. 8 apply skills needed in operating laboratory equipment for testing, assessing quality assurance for lab equipment, and adhering to standard safety practices in the laboratory environment. 9 apply problem-solving and decision-making skills. 10 apply and promote health policies and regulatory standards in the field career. 11 develop research in the field of medical analysis using qualitative and quantitative methods. Prerequisites (Course Reading List and References): Student's obligation (Special Requirements): Course Book/Textbook: Other Course Materials/References: Robbins Basic Pathology 10th Edition-Robbins Pathologic basis of Disease 10th Editentance 1 alouse and adventing the standard stream of Teaching): Lectures, Presentation, Seminar, Assignments, COURSE EVALUATION CRITERIA Method Course Evaluation (Seminar, Assignments,) Ectra Paper 1 15 15 16 17 16 17 17 16 17 17 17 17			/F							
Evaluate clinical laboratory data by interpreting laboratory results and relating the data to various disease states. a apply principles of evidence-based medicine to determine clinical diagnoses. apply the basic principles of gross and microscopic anatomy, physiology, biochemistry, immunology, microbiology/virology. formulate and implement acceptable treatment modalities to various disease states. 5 use technology effectively in the delivery of instruction, assessment, and professional development. exhibit essential employability qualities by demonstrating laboratory safety, analyzing laboratory results, and displaying professional conduct. exhibit organizational skills, accountability, and ethical behavior. apply skills needed in operating laboratory equipment for testing, assessing quality assurance for lab equipment, and adhering to standard safety practices in the laboratory environment. apply problem-solving and decision-making skills. 10 apply and promote health policies and regulatory standards in the field career. develop research in the field of medical analysis using qualitative and quantitative methods. Prerequisites (Course Reading List and References): Student's obligation (Special Requirements): Course Book/Textbook: Activities Course Reading List and References Course Book/Textbook Course Book/Textbook Course Book/Textbook Course Book/Textbook Course Book/Textbook Course Evaluation Criteria Method Course Reaching Course Evaluation Criteria Method Course Reaching Course Evaluation Criteria Course Evaluation Criteria Course Reaching Course Revaluation Criteria Course Revaluat		Progr	•			olion, r . r roic	oicht, A. Advan	ocu)		Cont
apply principles of evidence-based medicine to determine clinical diagnoses. apply the basic principles of gross and microscopic anatomy, physiology, biochemistry, immunology, microbiology/virology. 4 formulate and implement acceptable treatment modalities to various disease states. 5 use technology effectively in the delivery of instruction, assessment, and professional development. exhibit essential employability qualities by demonstrating laboratory safety, analyzing laboratory results, and displaying professional conduct. 7 exhibit organizational skills, accountability, and ethical behavior. apply skills needed in operating laboratory equipment for testing, assessing quality assurance for lab equipment, and adhering to standard safety practices in the laboratory environment. 9 apply problem-solving and decision-making skills. 10 apply and promote health policies and regulatory standards in the field career. 11 develop research in the field of medical analysis using qualitative and quantitative methods. Prerequisites (Course Reading List and References): Student's obligation (Special Requirements): Course Book/Textbook: Other Course Materials/References: Raching Methods (Forms of Teaching): Course Book/Textbook: -Robbins Basic Pathology 10th Edition -Robbins Pathologic basis of Disease 10th Editor -Robbins Pathologic basis o	1	Evaluate clinical laboratory data by interpreting laboratory results and relating the data to various						us	A	
apply the basic principles of gross and microscopic anatomy, physiology, biochemistry, immunology, microbiology/virology. 4 formulate and implement acceptable treatment modalities to various disease states. 5 use technology effectively in the delivery of instruction, assessment, and professional development. exhibit essential employability qualities by demonstrating laboratory safety, analyzing laboratory results, and displaying professional conduct. 7 exhibit organizational skills, accountability, and ethical behavior. 8 apply skills needed in operating laboratory equipment for testing, assessing quality assurance for lab equipment, and adhering to standard safety practices in the laboratory environment. 9 apply problem-solving and decision-making skills. 10 apply and promote health policies and regulatory standards in the field career. 11 develop research in the field of medical analysis using qualitative and quantitative methods. Prerequisites (Course Rodeling List and References): Student's obligation (Special Requirements): Course Book/Textbook: Other Course Materials/References: Internet pathologic Laboratory (webpath) Teaching Methods (Forms of Teaching): COURSE EVALUATION CRITERIA Method COURSE EVALUATION CRITERIA Method COURSE EVALUATION CRITERIA Method COURSE EVALUATION CRITERIA Method Total Total Total Total Morkload Activities COURSE, Short Answers, , . Extra Notes: ECTS (ALLOCATED BASED ON STUDENT) WORKLOAD Workload Hours for 1 Total Workload	2			evidenc	e-based medicine to det	ermine clinical	diagnoses.			Р
suse technology effectively in the delivery of instruction, assessment, and professional development. exhibit essential employability qualities by demonstrating laboratory safety, analyzing laboratory results, and displaying professional conduct. results and adhering to standard safety practices in the laboratory environment. results and adhering to standard safety practices in the laboratory environment. results and adhering to standard safety practices in the laboratory environment. results and adhering to standard safety practices in the laboratory environment. results and admering dualities and results and admering assessing qualities and suscessing passessing quality assurance for laboratory environment. results and admering to standard safety practices in the laboratory environment. results and admering to standard safety practices in the laboratory environment. results and admering to standard safety practices in the laboratory environment. results and assessing qualities and suscessing qualities. results and active particular environment. results andard safety practices in the laboratory environment. results and ac	3	apply the basic principles of gross and microscopic anatomy, physiology, biochemistry, immunology,						ology,	I	
exhibit essential employability qualities by demonstrating laboratory safety, analyzing laboratory results, and displaying professional conduct. 7 exhibit organizational skills, accountability, and ethical behavior. 8 apply skills needed in operating laboratory equipment for testing, assessing quality assurance for lab equipment, and adhering to standard safety practices in the laboratory environment. 9 apply problem-solving and decision-making skills. 10 apply and promote health policies and regulatory standards in the field career. 11 develop research in the field of medical analysis using qualitative and quantitative methods. Prerequisites (Course Reading List and Robbins Basic Pathology 10th Edition -Robbins Pathologic basis of Disease 10th Editor's obligation (Special Requirements): Student's obligation (Special Requirements): Course Book/Textbook: Other Course Materials/References: Internet pathologic Laboratory (webpath) Course Book/Textbook: Other Course Materials/References: Internet pathologic Laboratory (webpath) COURSE EVALUATION CRITERIA Method COURSE EVALUATION CRITERIA Method COURSE EVALUATION CRITERIA Method Course Paper Course Doubles Course (1) 1 15 Term Paper Total 1 15 Total 1 15 Total 1 100 Examinations: True-False, Multiple Choices, Short Answers, , , Extra Notes: ECTS (ALLOCATED BASED ON STUDENT) WORKLOAD Activities COURSE EVALUATION True-False (1) 1 10 Participation 1 1 100 Participation 1 1 100 Course ECTS (ALLOCATED BASED ON STUDENT) WORKLOAD (1) 100 Course ECTS (ALLOCATED BASED ON STUDENT) WORKLOAD (1) 100 Course ECTS (ALLOCATED BASED ON STUDENT) Workload (1) 100 Course Course (1) 1 100 Course (1) 1 100	4	formu	ate and imple	ement a	cceptable treatment mod	dalities to vario	ous disease sta	tes.		
results, and displaying professional conduct. exhibit organizational skills, accountability, and ethical behavior. apply skills needed in operating laboratory equipment for testing, assessing quality assurance for lab equipment, and adhering to standard safety practices in the laboratory environment. apply problem-solving and decision-making skills. apply and promote health policies and regulatory standards in the field career. develop research in the field of medical analysis using qualitative and quantitative methods. Prerequisites (Course Reading List and References): Student's obligation (Special Requirements): Course Book/Textbook: Other Course Materials/References: Teaching Methods (Forms of Teaching): COURSE EVALUATION CRITERIA Method COURSE EVALUATION CRITERIA Method Method Activities COURSE EVALUATION CRITERIA Method Total Total Total Morkload Hours for 1 H	5	use te	chnology effe	ectively	in the delivery of instruct	ion, assessme	ent, and profess	ional developr	nent.	Р
apply skills needed in operating laboratory equipment for testing, assessing quality assurance for lab equipment, and adhering to standard safety practices in the laboratory environment. 9 apply problem-solving and decision-making skills. 10 apply and promote health policies and regulatory standards in the field career. 11 develop research in the field of medical analysis using qualitative and quantitative methods. Prerequisites (Course Reading List and References): Student's obligation (Special Requirements): Course Book/Textbook: Course Book/Textbook: Other Course Materials/References: Teaching Methods (Forms of Teaching): COURSE EVALUATION CRITERIA Method Method COURSE EVALUATION CRITERIA Method Method Activities Decrease Intervences of the course of Total Workload Hours for 1 Total Workload Hours for 1 Total Workload Hours for 1 Total Warntity* Decrease Intervences of Total Workload Hours for 1 Total Warntity* Percentage Workload Hours for 1 Total Warntity* Activities	6	exhibit essential employability qualities by demonstrating laboratory safety, analyzing laboratory						у		
equipment, and adhering to standard safety practices in the laboratory environment. apply problem-solving and decision-making skills. 10 apply and promote health policies and regulatory standards in the field career. 11 develop research in the field of medical analysis using qualitative and quantitative methods. Prerequisites (Course Reading List and References): Student's obligation (Special Requirements): Course Book/Textbook: Other Course Materials/References: Teaching Methods (Forms of Teaching): COURSE EVALUATION CRITERIA Method Method COURSE EVALUATION CRITERIA Method Method 1 1 5 5 (Quiz 1 1 15 15 15 15 15 15 15 15 15 15 15 15	7	exhibi	t organization	al skills	, accountability, and ethi	cal behavior.				1
apply and promote health policies and regulatory standards in the field career. develop research in the field of medical analysis using qualitative and quantitative methods. Prerequisites (Course Reading List and References): Student's obligation (Special Requirements): Course Book/Textbook: Other Course Materials/References: Teaching Methods (Forms of Teaching): Course Evaluation (Special Requirements): Course Book/Textbook: Robbins Basic Pathology 10th Edition -Robbins Pathologic basis of Disease 10th Edition -Robbins Pathologic	8							for lab	I	
Prerequisites (Course Reading List and References): Student's obligation (Special Requirements): Course Book/Textbook: Other Course Materials/References: Teaching Methods (Forms of Teaching): COURSE EVALUATION CRITERIA Method Quantity Activities COURSE EVALUATION Special Requirements (Parm Paper 1) Total Course Paper 1	9	apply	problem-solvi	ing and	decision-making skills.					I
Prerequisites (Course Reading List and References): Student's obligation (Special Requirements): Course Book/Textbook: Course Book/Textbook: Other Course Materials/References: Teaching Methods (Forms of Teaching): COURSE EVALUATION CRITERIA Method Activities Percentage Activities Prerequisites (Course Reading List and References): Student should attend all lectures and actively participate in scientific discussions. Student should attend all lectures and actively participate in scientific discussions. Student should attend all lectures and actively participate in scientific discussions. Student should attend all lectures and actively participate in scientific discussions. Student should attend all lectures and actively participate in scientific discussions. Student should attend all lectures and actively participate in scientific discussions. Student should attend all lectures and actively participate in scientific discussions. Student should attend all lectures and actively participate in scientific discussions. Course Book/Textbook: Course Book/Textbook: COURSE EVALUATION CRITERIA Quantity Percentage Quantity Percentage 1 10 10 10 10 10 10 Examinations: True-False, Multiple Choices, Short Answers, , , Extra Notes: ECTS (ALLOCATED BASED ON STUDENT) WORKLOAD Activities Quantity Workload Hours for 1 Total Wountity*	10	apply	and promote	health p	policies and regulatory s	tandards in the	e field career.			I
Reading List and References): Student's obligation (Special Requirements): Course Book/Textbook: Course Book/Textbook: Course Materials/References: Methods (Forms of Teaching): Course Evaluation (Special Requirements): Course Book/Textbook: Reaching Methods (Forms of Teaching): Course Evaluation CRITERIA Method Participation Quiz Tem Paper Tem Paper Total Course Passe Multiple Choices, Short Answers, , , ECTS (ALLOCATED BASED ON STUDENT) WORKLOAD Activities Reading List and References: Student should attend all lectures and actively participate in scientific discussions. Student should attend all lectures and actively participate in scientific discussions. Student should attend all lectures and actively participate in scientific discussions. Student should attend all lectures and actively participate in scientific discussions. Student should attend all lectures and actively participate in scientific discussions. Ectures, Presentation, Seminar, Assignments, , , Percentage Quantity Percentage Quantity Percentage 1 10 10 10 10 10 10 10 10 10	11	develo	p research ir	n the fie	ld of medical analysis us	ing qualitative	and quantitativ	e methods.		
Course Book/Textbook: Other Course Materials/References: Teaching Methods (Forms of Teaching): COURSE EVALUATION CRITERIA Method Attendance Participation Quiz Term Paper Term Paper Total Total Total COURSE EVALUATION CRITERIA Multiple Choices, Short Answers, , , EXTRA Notes: ECTS (ALLOCATED BASED ON STUDENT) WORKLOAD Workload Hours for 1 Activities Problem Sasis of Disease 10th E Internet pathologic Laboratory (webpath) Internet pathologic Laboratory (webpath) Internet pathologic Laboratory (webpath) Internet pathologic Laboratory (webpath) Tournet pathologic Laboratory (webpath) Percentage Quantity Percentage Percentage Percentage 1 10 10 10 10 10 10 10 10 10		F Student	References): s obligation							dition
Other Course Materials/References: Internet pathologic Laboratory (webpath) Teaching Methods (Forms of Teaching): COURSE EVALUATION CRITERIA Method Quantity Percentage Attendance 1 10 Participation 1 15 Quiz 1 15 Term Paper 1 15 Term Paper 1 15 Final Exam 1 40 Total 100 Examinations: True-False, Multiple Choices, Short Answers, , , Extra Notes: ECTS (ALLOCATED BASED ON STUDENT) WORKLOAD Workload Hours for 1 Total Wall and Hours for 1 Total Wall a	· ·		· · · · · · · · · · · · · · · · · · ·							dition
Teaching Methods (Forms of Teaching): COURSE EVALUATION CRITERIA		0	ther Course				ilis Fatilologic	Dasis OI Disca	SC TOUT L	dition
Method Quantity Percentage Attendance 1 10 Participation 1 5 Quiz 1 15 Term Paper 1 15 Term Paper 1 15 Term Paper 1 15 Term Paper 1 100 Examinations: True-False, Multiple Choices, Short Answers, , , Extra Notes: ECTS (ALLOCATED BASED ON STUDENT) WORKLOAD Activities Quantity Workload Hours for 1 quantity* Total Workload Hours for 1 quantity Total Wor		ng Meth	nods (Forms	Lecture	es, Presentation, Semina	ar, Assignment	S, , ,			
Attendance 1 10 Participation 1 5 Quiz 1 15 Term Paper 1 15 Term Paper 1 15 Term Paper 1 15 Term Paper 1 100 Examinations: True-False, Multiple Choices, Short Answers, , , Extra Notes: ECTS (ALLOCATED BASED ON STUDENT) WORKLOAD Activities Quantity Workload Hours for 1 quantity*					COURSE EVALU	JATION CRITE	RIA			
Participation 1 5 Quiz 1 15 Term Paper 1 15 Term Paper 1 15 Term Paper 1 15 Final Exam 1 40 Total 100 Examinations: True-False, Multiple Choices, Short Answers, , , Extra Notes: CCTS (ALLOCATED BASED ON STUDENT) WORKLOAD Activities Quantity Workload Hours for 1 quantity* Total Workload Hours for 1 quantity*	Method	d					Quantity	Pe	ercentage	e (%)
Quiz Term Paper Term Paper Total Tot	Attenda	ance					1		10	
Term Paper 1 15 Term Paper 1 15 Final Exam 1 40 Total Total 100 Examinations: True-False, Multiple Choices, Short Answers, , , Extra Notes: ECTS (ALLOCATED BASED ON STUDENT) WORKLOAD Activities Quantity Workload Hours for 1 Total Workling quantity*	Particip	ation					1		5	
Term Paper 1 15 Final Exam 1 40 Total 100 Examinations: True-False, Multiple Choices, Short Answers, , , Extra Notes: ECTS (ALLOCATED BASED ON STUDENT) WORKLOAD Activities Quantity Workload Hours for 1 quantity*							1			
Final Exam Total 1 40 Total Examinations: True-False, Multiple Choices, Short Answers, , , Extra Notes: ECTS (ALLOCATED BASED ON STUDENT) WORKLOAD Activities Quantity Workload Hours for 1 quantity*		•					1			
Examinations: True-False, Multiple Choices, Short Answers, , , Extra Notes: ECTS (ALLOCATED BASED ON STUDENT) WORKLOAD Activities Quantity Workload Hours for 1 Total W quantity*		•					1			
Examinations: True-False, Multiple Choices, Short Answers, , , Extra Notes: ECTS (ALLOCATED BASED ON STUDENT) WORKLOAD Workload Activities Quantity Hours for 1 Total W quantity*	Final Ex	xam					1			
Extra Notes: ECTS (ALLOCATED BASED ON STUDENT) WORKLOAD Workload Activities Quantity Hours for 1 Total W quantity*					Total				100	
ECTS (ALLOCATED BASED ON STUDENT) WORKLOAD Workload Activities Quantity quantity*	Examir	nations	: True-False,	Multiple	e Choices, Short Answer	rs, , ,				
Workload Activities Quantity Hours for 1 Total W quantity*	Extra N	lotes:								
Activities Quantity Hours for 1 Total W quantity*				ECTS	S (ALLOCATED BASED	ON STUDEN	T) WORKLOA	D		
· · · · · · · · · · · · · · · · · · ·	Activiti	ies					Quantity	Hours for 1	Total W	/orkloa
	Theore	tical Ho	urs				16	-	3	32

Practical Hours	16	0	0
Final Exam	1	4	4
Attendance	1	6	6
Participation	1	2	2
Quiz	1	4	4
Term Paper	1	4	4
Term Paper	1		0
Total Workload			52
ECTS Credit (Total workload/25)			2.08

Peer review

Signature:Signature:Signature:Name:Name:Name:LecturerHead of DepartmentDean