

Course Specification of: Advanced Networking

Course Code (CCE555)

II. General Information About the Course:

Course Title:	Advanced Networking			
Course Code and Number:	CCE555			
Credit Hours:	Credit Hours			Total
	Lecture	Practical	Seminar/Tutorial	
	3	--	--	3
Study Level and Semester:	1 st Semester			
Pre-requisites (if any):				
Co-requisites (if any):				
Program (s) in which the course is offered:	M. Sc. in Computer Engineering & Control			
Language of teaching the course:	English			
Study System:	Courses & Thesis			
Prepared By:	Assoc. Prof. Dr. Farouk Al-Fahaidy			
Reviewed by:	Prof. Dr. Khalil Al-Wagih			
Date of Approval:				

V. Course Description:

This course provides advanced concepts of the analysis and design of data networks and their operations, as well as, the practicing of variety of networks technologies and protocols.

Course covers; an overview on networks foundations, the analysis and design of data networks and their operation; architecture, media, communication channel characteristics, routing, protocols & protocol architecture, modeling and performance analysis. Throughout

case studies, individual & group projects works using network simulation tools, students will develop their problem-solving, analysis and design skills related to modern network technologies practice to real & simulation stands.

V. Course Intended Learning Outcomes (CILOs):

Upon successful completion of **Advanced Networking Course**, the graduates will be able to:

Demonstrate deep understanding of advanced concepts, theories, performance measuring and variety applications related to data/communication networks.

Recognize the contemporary networking technologies, advanced interconnecting protocols, and networks' simulation tools.

Evaluate internetworking protocols based on their performance metrics and the desired network issues & specifications, using modern networks' simulation tools & theoretical concepts.

Select appropriate routing protocols, interconnecting devices and network simulation tool for constructing of an innovative applicational network that meets desired needs within realistic constraints.

Use modern network simulation tools and design methodologies for the designing & configuring of an innovative network to solve specific domain problems.

Employ acquired theoretical knowledge, networks' performance measures and analysis methods to the designing, implementing and evaluating of the suggested data/communication networks.

Write technical report/ search in the field of networking and present and defend on.

Recognize professional and ethical responsibilities related to data networks practicing & issues.

VI. Alignment of Course Intended Learning Outcomes (CILOs) to

Program Intended Learning Outcomes (PILOs)

CILOs		PILOs
Knowledge and Understanding: Upon successful completion of the Advanced Networking Course , the graduates will be able to:		Knowledge and Understanding: Upon successful completion of the MSc. In Computer Engineering & Control Program , the graduates will be able to:
	Demonstrate deep understanding of advanced concepts, theories, performance measuring and variety applications related to data/communication networks.	Demonstrate deep understanding of computer engineering and control as well as knowledge of applied mathematics and engineering science to the field of computing and intelligent control.
	Recognize the contemporary networking technologies, advanced interconnecting protocols, and networks' simulation tools.	A2. Recognize and Explain the contemporary engineering technologies and issues in the specialization field of computing and control.
Cognitive/ Intellectual Skills: Upon successful completion of the Advanced Networking Course , the graduates will be able to:		Cognitive/ Intellectual Skills: Upon successful completion of the MSc. In Mechanical Engineering Program , the graduates will be able to:
	Evaluate internetworking protocols based on their performance metrics and the desired network issues & specifications, using modern networks' simulation tools & theoretical concepts.	1. Evaluate, select and apply appropriate principles, methodologies, techniques, tools and packages to the analysis, specification, development and evaluation of computing and engineering systems.
	Select appropriate routing protocols, interconnecting devices and network simulation tool for constructing of an innovative applicational network that meets desired needs within realistic constraints.	3. Propose computing system, component, or process to meet desired needs within realistic constraints.
Professional and Practical Skills: Upon successful completion of the Advanced Networking Course , the graduates will be able to:		Professional and Practical Skills: Upon successful completion of the MSc. In Computer Engineering & Control Program , the graduates will be able to:

	Use modern network simulation tools and design methodologies for the designing & configuring of an innovative network to solve specific domain problems.	1. Develop, configure, upgrade, and/or write computer software/program to solve computing and control problems.
	Employ acquired theoretical knowledge, networks' performance measures and analysis methods to the designing, implementing and evaluating of the suggested data/communication networks.	3. Employ acquired knowledge into a philosophical and intellectual frame that can be applied to computer engineering & control systems and process design and implementation.
Transferable Skills: Upon successful completion of the Advanced Networking Course , the graduates will be able to:		4. Transferable Skills: Upon successful completion of the MSc. In Computer Engineering & Control Program , the graduates will be able to:
	Write technical report/ search in the field of networking and present and defend on.	1. Prepare complete thesis and reports, present ideas clearly and defend them.
	Recognize professional and ethical responsibilities related to data networks practicing & issues.	Balance professional and ethical responsibilities including contemporary issues and environmental awareness.

II. Alignment of CILOs to Teaching and Assessment Strategies

Alignment of Knowledge and Understanding CILOs:

Knowledge and Understanding CILOs		Teaching Strategies	Assessment Strategies
a1.	Demonstrate deep understanding of advanced concepts, theories, performance measuring and variety applications related to data/communication networks.	Lectures, Self-Learning Problems/Studies, Case study, Active learning.	Oral & Writing Exams Reports, Written Exam, Assignments
	Recognize the contemporary networking technologies, advanced interconnecting protocols, and networks' simulation tools.	Lectures, Seminars, Self-Learning Problems/Studies, Case study, Group/Individual Projects and Studies,	Oral & Writing Exams Reports, Written Exam, Assignments

		Active learning.	
Alignment of Intellectual Skills CILOs:			
Intellectual Skills CILOs		Teaching Strategies	Assessment Strategies
b1.	Evaluate internetworking protocols based on their performance metrics and the desired network issues & specifications, using modern networks' simulation tools & theoretical concepts.	Lectures, Project Supervision, Self-Learning, Case Study, Simulation Exercises, Independent Study, Analysis and Problem Solving, Presentations,	Oral & Writing Exams Reports, Survey, Written Exam, Assignments
b2.	Select appropriate routing protocols, interconnecting devices and network simulation tool for constructing of an innovative applicational network that meets desired needs within realistic constraints.	Lectures, Project Supervision, Self-Learning, Case Study, Simulation Exercises, Independent Study, Analysis and Problem Solving, Presentations,	Oral & Writing Exams Reports, Survey, Written Exam, Assignments
Alignment of Professional and Practical Skills CILOs:			
Professional and Practical Skills CILOs		Teaching Strategies	Assessment Strategies
	Use modern network simulation tools and design methodologies for the designing & configuring of an innovative network to solve specific domain problems.	Lectures, Project Supervision, Self-Learning, Case Study, Simulation Exercises, Independent Study, Analysis and Problem Solving, Brainstorming, Presentations,	Oral & Writing Exams Seminar Report, Written Research Proposal.
	Employ acquired theoretical knowledge, networks' performance measures and analysis methods to the	Lectures, Project Supervision, Self-Learning,	Oral & Writing Exams Seminar Report,

	designing, implementing and evaluating of the suggested data/communication networks.	Case Study, Simulation Exercises, Independent Study, Analysis and Problem Solving, Brainstorming, Presentations,	Written Research Proposal.
Alignment of Transferable (General) Skills CILOs:			
Transferable (General) Skills CILOs		Teaching Strategies	Assessment Strategies
	te technical report/ search in the field of networking and present and defend on.	Dissertation Defenses and Presentation, Independent Study, Presentation, Brainstorming, Presenting Researches.	Written Research Proposal, Assignments, Presentation, Written Report.
	ognize professional and ethical responsibilities related to data networks practicing & issues.	Dissertation Defenses and Presentation, Independent Study, Presentation, Brainstorming, Presenting Researches, Publish Research Papers.	Written Research Proposal, Assignments, Presentation, Written Report.

III. Course Content					
Theoretical Aspect					
Order	Topic List / Units	Sub -Topics List	Number of Weeks	Contact Hours	Course ILOs
1	Introduction	An Overview on Data Networks: Infrastructures & Environments, Networks Models, and Applications, Network's Simulations such as	1	3	a1, a2

		OPNET and SENSE Simulators capabilities and Applications.			
2	Networks Performances & Media	Communication and techniques in a layered network architecture and Application Program Interface (API), Networks Performance Measures, Link Connections, Coding & Multiplexing Techniques.	3	9	a1, a2, b1, c2
		Error Detection & Correction Techniques & Protocols.			
		Networks Media Standards such as PPP & Ethernets, Building of Link Forwarding Table & Spanning Tree Algorithm.			
3	Internetworking Protocols	Types of Interconnecting Protocols, IP addressing, DNS, HTTP, peer-to-peer systems, socket programming.	3	9	a1, a2, b1, b2, c1
		Protocols, IPv4 & IPv6, Structures & Headers, and comparison, IPv4 Classful & Classless, and IP Subnetting			
		IP Routing Tables, Design of LANs & WANs and IPs Distributions,			

		More Explanation of IPv6.			
4	Midterm Exam	Midterm Exam include ALL Previous Topics	1	3	a1, a2, b1, b2, c1, c2
5	Advanced Internetworking Protocols	An Overview on WAN Switching Technologies: Circuits Switching, Packet Switching & Virtual Circuit Switching, ATM & Frame Relays, Routing Types: Intradomain & Interdomain Routing, Intradomain Routing algorithms such as RIP, OSPF,	2	6	a2, b1, b2, c1, c2
		Interdomain Routing Algorithm, Boarder Gateway (BGIP)			
6	Local Area Networks	Local area networks, Ethernet and WiFi, Standards, Structures & Link Protocols, Wireless communication, Bluetooth, RFID and WiMax.	1	3	a2, b1, b2
7	Multicasting & Modern Networks Technologies	Multicasting, IP Multicast Protocols. SONET & SDN Networks, Multi-protocol label switching (MPLS) Structures & Applications.	1	3	a2, b1, b2, c1
8	Transport Layer Protocols,	Types of Communications & Networks Congestions, Network transport architectures,	2	6	b1, b2,

	Congestion Control & QoS	TCP, UDP, TCP congestion control			c1, c2
		Multimedia communications and quality of service. QoS Networks, Network measurement, inference, and management, Network experimentation and performance analysis			
9	Case Studies & Course Projects Presentation	Students Presents individually and in Groups their course Project, simulation and paper surveys works	1	3	a1, a2, b1, b2, c1, c2, d1, d2
10	Final Exam	ALL Topics Except the Case Study & Course Project works.	1	3	a1, a2, b1, b2, c1, c2
Number of Weeks /and Contact Hours Per Semester			16	48	

Practical Aspect

Order	Practical / Tutorials topics	Number of Weeks	Contact Hours	Course ILOs
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1	NONE			
2				
Number of Weeks /and Contact Hours Per Semester				

Tutorial Aspect:				
No.	Tutorial	Number of Weeks	Contact Hours	Learning Outcomes (CLOs)
1	NONE			
2				
Number of Weeks /and Units Per Semester		15	30	

X. Teaching Strategies:
<p>Lectures, Project Supervision, Self-Learning Problems/Studies, Case study, Group/Individual Projects and Studies, Active learning, Simulation Exercises, Independent Study, Analysis and Problem Solving, Brainstorming, Presentations, Presenting Researches, Publish Research Papers.</p>

X. Assessment Methods of the Course:

Oral & Writing Exams
 Reports,
 Survey,
 Written Exam,
 Assignments,
 Seminar Report,
 Written Research Proposal.

XI. Tasks and Assignments:

No	Assignments/ Tasks	Individual/ Group	Mark	Week Due	CILOs (symbols)
1	Assignments: Assignment 1: IP Protocols & Subnetting Assignment 2: Internetworking Routing Protocols Assignment 3: Networks Performance Measures & Managements	Individual	6	5 th , 9 th & 13 th	a1, a2, b1, b2, c2, d2
2	Mini/Major Project: Graduates works and submit their individual & group Projects by searching Webs, using Networks Simulators to solve some practicing problems related to data networking & Protocols.	Individual/ Group	20	From the 4 th to 14 th	a1, a2, b1, b2, c1, c2, d1, d2
3	Term Papers presentation & Case studies	Individual/	8	From	b1, b2,

		Group		the 4 th to 14 th	c1, c2, d1, d2
Total Score			34	==	===

II. Learning Assessment:

No.	Assessment Tasks	Week due	Mark	Proportion of Final Assessment	CILOs
1	Tasks and Assignments	4 th to 14 th	34	34%	a1, a2, b1, b2, c1, c2,
2	Quizzes	6 th & 12 th	6	6%	a1, a2, b1, b2, c2
3	Midterm Exam	8 th	20	20%	a1, a2, b1, b2, c1, c2
4	Final Exam (Theoretical)	16 th	40	40%	a1, a2, b1, b2, c1, c2
Total				100%	===

III. Learning Resources:

Required Textbook(s):

Larry L. Peterson, Bruce S. Davie, 2021, "Computer Networks: A Systems Approach", 6th edition, Elsevier/Morgan Kaufmann.

Behrouz A. Forouzan, 2017, "DATA Communications and Networking", McGraw-Hill Education, 5th edition

Essential References:

James F. Kurose, Keith W. Ross, , 2013, "Computer Networking A Top-Down Approach" 6th edition, Pearson education, publishing as Addison-Wesley.

Tanenbaum, A (2011) Computer Networks, 5th edition: Prentice Hall.

Bill Buchanan, 1998, "Advanced Data Communications and Networks", Paperbackm Chapman Hall.

Electronic Materials and Web Sites *etc.*

Books Websites

<https://booksite.elsevier.com/9780123850591/lec.php>

http://highered.mheducation.com/sites/844815617x/student_view0/index.html

https://www.bau.edu.jo/UserPortal/UserProfile/PostsAttach/10617_1870_1.pdf

Journals:

www.ieeexplore.org

www.sciencedirect.com

www.springer.org

Course Policies والضوابط والسياسات المتبعة في المقرر

بعد الرجوع للوائح الجامعة يتم كتابة السياسة العامة للمقرر فيما يتعلق بالآتي:

<u>Class Attendance:</u> سياسة حضور الفعاليات التعليمية	1
- يلتزم الطالب بحضور 75% من المحاضرات ويحرم في حال عدم الوفاء بذلك. - يقدم أستاذ المقرر تقريراً بحضور وغياب الطلاب للقسم ويحرم الطالب من دخول الامتحان في حال تجاوز الغياب 25% ويتم إقرار الحرمان من مجلس القسم.	
<u>Tardy:</u> الحضور المتأخر	2
- يسمح للطالب حضور المحاضرة إذا تأخر لمدة ربع ساعة لثلاث مرات في الفصل الدراسي، وإذا تأخر زيادة عن ثلاث مرات يحذر شفويًا من أستاذ المقرر، وعند عدم الالتزام يمنع من دخول المحاضرة.	
<u>Exam Attendance/Punctuality:</u> ضوابط الامتحان	3
- لا يسمح للطالب دخول الامتحان النهائي إذا تأخر مقدار (20) دقيقة من بدء الامتحان - إذا تغيب الطالب عن الامتحان النهائي تطبق اللوائح الخاصة بنظام الامتحان في الكلية.	
<u>Assignments & Projects:</u> التعيينات والمشاريع	4
- يحدد أستاذ المقرر نوع التعيينات في بداية الفصل ويحدد مواعيد تسليمها وضوابط تنفيذ التكاليف وتسليمها. - إذا تأخر الطالب في تسليم التكاليف عن الموعد المحدد يحرم من درجة التكاليف الذي تأخر في تسليمه.	
<u>Cheating:</u> الغش	5
- في حال ثبوت قيام الطالب بالغش في الامتحان النصفى أو النهائي تطبق عليه لائحة شؤون الطلاب. - في حال ثبوت قيام الطالب بالغش أو النقل في التكاليف والمشاريع يحرم من الدرجة المخصصة للتكاليف.	
<u>Plagiarism:</u> الانتحال	6
- في حالة وجود شخص ينتحل شخصية طالب لأداء الامتحان نيابة عنه تطبق اللائحة الخاصة بذلك	
<u>Other policies:</u> سياسات أخرى	7
- أي سياسات أخرى مثل استخدام الموبايل أو مواعيد تسليم التكاليف الخ	

Academic Year: 2021

Course Plan (Syllabus): Advanced Networking

Information about Faculty Member Responsible for the Course:							
Name	Farouk Al-Fahaidy	Office Hours					
Location & Telephone No.	777909815	SAT	SUN	MON	TUE	WED	THU
E-mail	farouqakh@gmail.com						

General information about the course:				
Course Title	Advanced Networking			
Course Code and Number	CCE555			
Credit Hours	Credit Hours			Total
	Lecture	Practical	Seminar/Tutorial	
	3	--	--	3
Study Level and Semester	1 st Semester			
Pre-requisites				
Co –requisite				
Program (s) in which the course is offered	M. S. in Computer Engineering & Control Program			
Language of teaching the course	English			
Location of teaching the course				

Course Description:

This course provides advanced concepts of the analysis and design of data networks and their operations, as well as, the practicing of variety of networks technologies and protocols

Course covers; an overview on networks foundations, the analysis and design of data networks and their operation; architecture, media, communication channel characteristics, routing, protocols & protocol architecture, modeling and performance analysis. Throughout case studies, individual & group projects works using network simulation tools, students will develop their problem-solving, analysis and design skills related to modern network technologies practice to real & simulation stands.

Course Intended Learning Outcomes (CILOs):

Upon successful completion of the **Advanced Networking** course, graduate students will be able to:

Demonstrate deep understanding of advanced concepts, theories, performance measuring and variety applications related to data/communication networks.

Recognize the contemporary networking technologies, advanced interconnecting protocols, and networks' simulation tools.

Evaluate internetworking protocols based on their performance metrics and the desired network issues & specifications, using modern networks' simulation tools & theoretical concepts.

Select appropriate routing protocols, interconnecting devices and network simulation tool for constructing of an innovative applicational network that meets desired needs within realistic constraints.

Use modern network simulation tools and design methodologies for the designing & configuring of an innovative network to solve specific domain problems.

Employ acquired theoretical knowledge, networks' performance measures and analysis methods to the designing, implementing and evaluating of the suggested data/communication networks.

Write technical report/ search in the field of networking and present and defend on.

d2. Recognize professional and ethical responsibilities related to data networks practicing & issues.

Course Content

Theoretical Aspect

Order	Topic List / Units	Sub -Topics List	Number of Weeks	Contact Hours
1	Introduction	An Overview on Data Networks: Infrastructures & Environments, Networks Models, and Applications, Network's Simulations such as OPNET and SENSE Simulators capabilities and Applications.	1	3
2	Networks Performances & Media	Communication and techniques in a layered network architecture and Application Program Interface (API), Networks Performance Measures, Link Connections, Coding & Multiplexing Techniques.	3	9
		Error Detection & Correction Techniques & Protocols.		
		Networks Media Standards such as PPP & Ethernets, Building of Link Forwarding Table & Spanning Tree Algorithm.		
3	Internetworking Protocols	Types of Interconnecting Protocols, IP addressing, DNS, HTTP, peer-to-peer systems, socket programming.	3	9
		Protocols, IPv4 & IPv6, Structures & Headers, and comparison,		

		IPv4 Classful & Classless, and IP Subnetting		
		IP Routing Tables, Design of LANs & WANs and IPs Distributions, More Explanation of IPv6.		
4	Midterm Exam	Midterm Exam include ALL Previous Topics	1	3
5	Advanced Internetworking Protocols	An Overview on WAN Switching Technologies: Circuits Switching, Packet Switching & Virtual Circuit Switching, ATM & Frame Relays, Routing Types: Intradomain & Interdomain Routing, Intradomain Routing algorithms such as RIP, OSPF, Interdomain Routing Algorithm, Boarder Gateway (BGIP)	2	6
6	Local Area Networks	Local area networks, Ethernet and WiFi, Standards, Structures & Link Protocols, Wireless communication, Bluetooth, RFID and WiMax.	1	3
7	Multicasting & Modern Networks Technologies	Multicasting, IP Multicast Protocols. SONET & SDN Networks, Multi-protocol label switching (MPLS) Structures & Applications.	1	3
8	Transport Layer Protocols,	Types of Communications & Networks Congestions, Network transport architectures, TCP, UDP,	2	6

	Congestion Control & QoS	TCP congestion control		
		Multimedia communications and quality of service. QoS Networks, Network measurement, inference, and management, Network experimentation and performance analysis		
9	Case Studies & Course Projects Presentation	Students Presents individually and in Groups their course Project, simulation and paper surveys works	1	3
10	Final Exam	ALL Topics Except the Case Study & Course Project works.	1	3
Number of Weeks /and Contact Hours Per Semester			16	48

Practical Aspect

Order	Practical / Tutorials topics	Number of Weeks	Contact Hours	Course ILOs
1	NONE			
Number of Weeks /and Contact Hours Per Semester				

Training/ Tutorials/ Exercises Aspects:

Order	Tutorials/ Exercises	Week Due	Contact Hours
1	NONE		

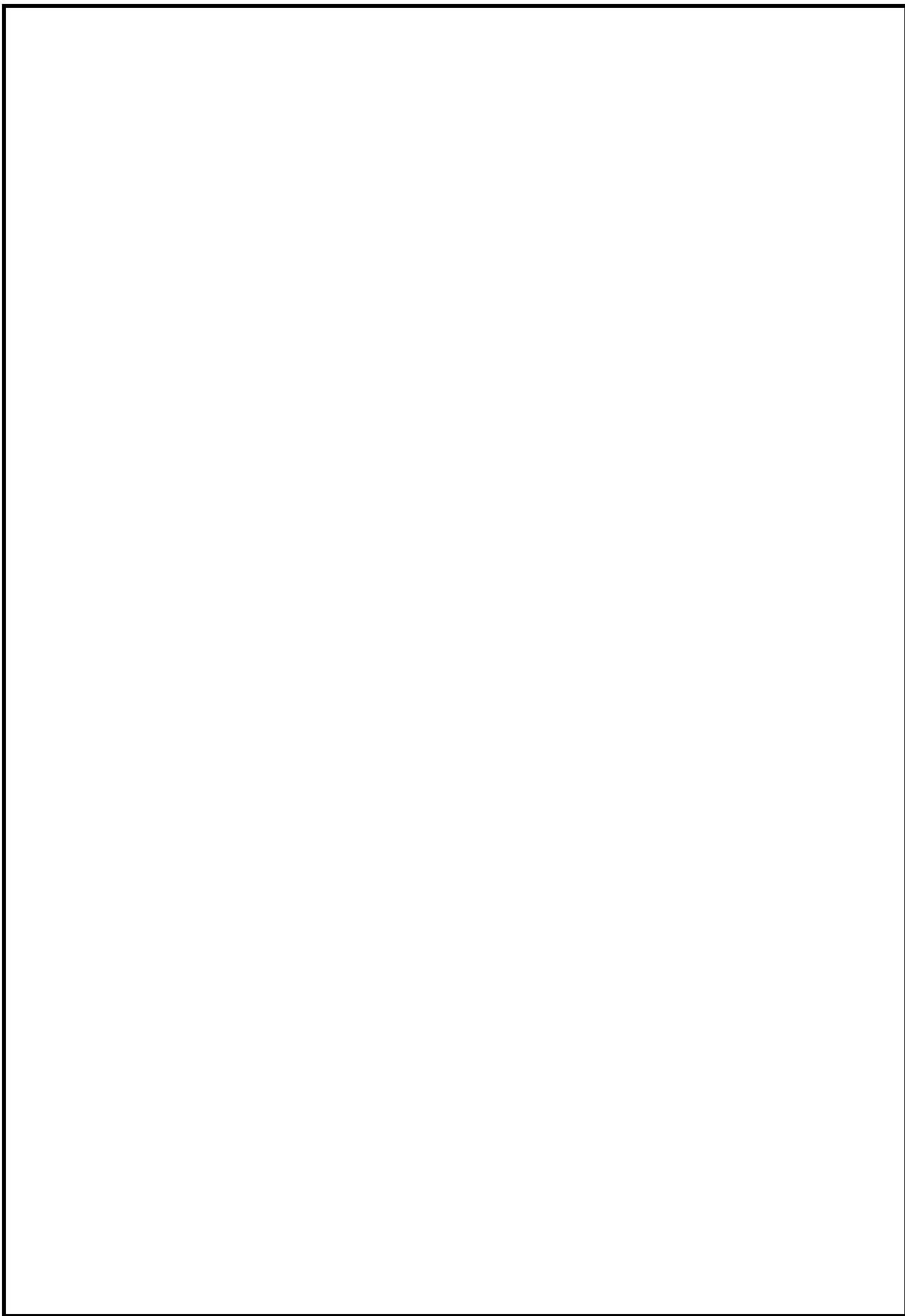
2			
Number of Weeks /and Contact Hours Per Semester			

Teaching Strategies:

Lectures,
Project Supervision,
Self-Learning Problems/Studies,
Case study,
Group/Individual Projects and Studies,
Active learning,
Simulation Exercises,
Independent Study,
Analysis and Problem Solving,
Brainstorming,
Presentations,
Presenting Researches,
Publish Research Papers.

Assessment Methods of the Course:

Oral & Writing Exams
Reports,
Survey,
Written Exam,
Assignments,
Seminar Report,
Written Research Proposal.



1. Tasks and Assignments:

No	Assignments	Individual /Groups	Mark	Week Due
1	Assignments: Assignment 1: IP Protocols & Subnetting Assignment 2: Internetworking Routing Protocols Assignment 3: Networks Performance Measures & Managements	Individual	6	5 th , 9 th & 13 th
2	Mini/Major Project: Graduates works and submit their individual & group Projects by searching Webs, using Networks Simulators to solve some practicing problems related to data networking & Protocols.	Individual/ Group	20	From the 4 th to 14 th
3	Term Papers presentation & Case studies	Individual/ Group	8	From the 4 th to 14 th
Total Score				

Learning Assessment:

No	Assessment Method	Week Due	Mark	Proportion of Final Assessment %
1	Tasks and Assignments	4 th to 14 th	34	34%
2	Quizzes	6 th & 12 th	6	6%
3	Midterm Exam	8 th	20	20%
4	Final Exam (Theoretical)	16 th	40	40%
Total			100	100 %

Learning Resources:

Required Textbook(s):

Larry L. Peterson, Bruce S. Davie, 2021, "Computer Networks: A Systems Approach", 6th edition, Elsevier/Morgan Kaufmann.

Behrouz A. Forouzan, 2017, "DATA Communications and Networking", McGraw-Hill Education, 5th edition

Essential References:

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Tanenbaum, A (2011) Computer Networks, 5th edition: Prentice Hall.

Bill Buchanan, 1998, "Advanced Data Communications and Networks", Paperbackm Chapman Hall.

Electronic Materials and Web Sites *etc.*

Books Websites

<https://booksite.elsevier.com/9780123850591/lec.php>

http://highered.mheducation.com/sites/844815617x/student_view0/index.html

https://www.bau.edu.jo/UserPortal/UserProfile/PostsAttach/10617_1870_1.pdf

Journals:

www.ieeexplore.org

www.sciencedirect.com

www.springer.org

Course Policies والسياسات المتبعة في المقرر

بعد الرجوع للوائح الجامعة يتم كتابة السياسة العامة للمقرر فيما يتعلق بالآتي:

Class Attendance: سياسة حضور الفعاليات التعليمية

- يلتزم الطالب بحضور 75% من المحاضرات ويحرم في حال عدم الوفاء بذلك.

- يقدم أستاذ المقرر تقريراً بحضور وغياب الطلاب للقسم ويحرم الطالب من دخول الامتحان في حال تجاوز الغياب 25% ويتم

اقرار الحرمان من مجلس القسم.

1

<p><u>Tardy: الحضور المتأخر</u></p> <p>- يسمح للطالب حضور المحاضرة إذا تأخر لمدة ربع ساعة لثلاث مرات في الفصل الدراسي، وإذا تأخر زيادة عن ثلاث مرات يحذر شفويا من أستاذ المقرر، وعند عدم الالتزام يمنع من دخول المحاضرة.</p>	2
<p><u>Exam Attendance/Punctuality: ضوابط الامتحان</u></p> <p>- لا يسمح للطالب دخول الامتحان النهائي إذا تأخر مقدار (20) دقيقة من بدء الامتحان - إذا تغيب الطالب عن الامتحان النهائي تطبق اللوائح الخاصة بنظام الامتحان في الكلية.</p>	3
<p><u>Assignments & Projects: التعيينات والمشاريع</u></p> <p>- يحدد أستاذ المقرر نوع التعيينات في بداية الفصل ويحدد مواعيد تسليمها وضوابط تنفيذ التكاليف وتسليمها. - إذا تأخر الطالب في تسليم التكاليف عن الموعد المحدد يحرم من درجة التكاليف الذي تأخر في تسليمه.</p>	4
<p><u>Cheating: الغش</u></p> <p>- في حال ثبوت قيام الطالب بالغش في الامتحان النصفى أو النهائي تطبق عليه لائحة شؤون الطلاب. - في حال ثبوت قيام الطالب بالغش او النقل في التكاليف والمشاريع يحرم من الدرجة المخصصة للتكاليف.</p>	5
<p><u>Plagiarism: الانتحال</u></p> <p>- في حالة وجود شخص ينتحل شخصية طالب لأداء الامتحان نيابة عنه تطبق اللائحة الخاصة بذلك</p>	6
<p><u>Other policies: سياسات أخرى</u></p> <p>- أي سياسات أخرى مثل استخدام الموبايل أو مواعيد تسليم التكاليف الخ</p>	7