Course Name	Code	Semester	T+A+L (hour/week)	Type (C / O)	Local Credit	ECTS
ntroduction to	BIO 105	Fall	04+00+00	Compulsory	4	6
Modern Biology Course Objectives:	reporting. To make the molecular aspects of bid	students perceive ology, which are	asking scientific questions, the scientific elife, fundamental features of organisms critical to understand cell biology, bioir the core theme of biology.	s and basic blolog	netics. To make st	udents understand how
Course Contents:	A general introduction chromosomes and cell	to biology, biolo division, genetics	gical experimenting, reporting, molecules, molecular genetics, recombinant DNA	technology, gene	elic diseases, biole	cilliology and evolution
Course Name	Code	Semester	T+A+L (hour/week)	Type (C/O)	Local Credit	ECTS 4
English-I	EL 101	Fall	03+00+00	Compulsory	3	4
Course Objectives:	build on the following information quickly, - within a written text, - conclusions, - Distingu Writing: By the end of the cours Understand essay intro supporting details, - W Vocabulary: The course will develo	skills: - Skimmir (dentifying support (dentifying support (dentifying essential)) see, students will be ductions and the rite body paragrap and expand students equipped (course)	be able to read extracts from authentic teg: Finding the main ideas quickly, - Ski orting details, - Recognizing organization observed and cohesion, - Recognizing conon-essential information in written text on a selection of the essay as it relationship to the body of the essay, - aphs using connecting ideas to show related on the end of the essay of the	inning: Making p n and purpose in v ohesion, - Recogn ts s well as: - Organi - Write clear thesi ationships ademic vocabular	written texts, - Sea written texts, - Re- izing summary st ze a written respo s statements, - Suj y as well as vocab	nse to a text, - pport major points with
Course Contents:	Unit 2: Megacities (Ur	ban Planning), U	nit 3: In the Public Eye (Art & Design),	, Unit 4: Staying A	Alive (Public Heal	th)
Course Name	Code	Semester	T+A+L (hour/week)	Type (C/O)	Local Credit	ECTS
Engineering Guide and Ethics	GE 103	Fall	03+00+00	Compulsory	3	5
Course Objectives:	engineering problems	on the global and	rgraduate study. To give the student and social dimensions within the society has been problem, to synthesize a solution, to fi	eaith, environmen Formulate argumen	its for a debate an	d to develop
Course Contents:	This is a course delive form. Quizes will also	ness in academic red in blended for be carried online	s in moral reasoning, having an understrethics. Consciousness in lifelong learning. The All course materials about theoretic. There are two hours of lecture every valence system and courses. The engine	anding of ethical and ang. cal subjects are de week where praction profession: extending profession:	livered via the Blacal studies, discus	ackboard portal in online sions, and workshops wons; modeling processes
Course Contents:	profession. Conscious: This is a course delive form. Quizes will also be carried out. Topics electrcial-electronics/c soft skills for engineer ethics, ethical reasonin codes of ethics; case s	ness in academic red in blended for be carried online covered: The aca computer/industries: teamwork, con ing and problem s tudies.	s in moral reasoning, having an understrethics. Consciousness in lifelong learning. All course materials about theoretic be. There are two hours of lecture every vademic system and courses. The engineer all engineering; implications of engineer munication, writing, presentation, lifely olving; legal implications of engineering and the system and courses.	anding of ethical and ing. cal subjects are deweek where practivering profession; ering on society, erong learning; prog; moral responsit	livered via the Blacal studies, discus oral studies, discus orgineering questit ovironment, health fessionalism: clier oility and whistle-	ackboard portal in online sions, and workshops w ons; modeling processes a, and security; necessar at-employee relations; blowing; academic ethic
	profession. Conscious: This is a course delive form. Quizes will also be carried out. Topics electrcial-electronics/c soft skills for engineer ethics, ethical reasonin codes of ethics; case s	ness in academic red in blended for be carried online covered: The aca computer/industries: teamwork, con ing and problem s tudies.	s in moral reasoning, having an understrethics. Consciousness in lifelong learning. All course materials about theoretice. There are two hours of lecture every valuence system and courses. The engineer is all engineering; implications of engineering presentation. Lifely	anding of ethical and ing. cal subjects are de week where practive ring profession; ering on society, er ong learning; prog; moral responsit	livered via the Blacal studies, discus engineering questi vironment, health fessionalism: clieroility and whistle-	ackboard portal in online sions, and workshops wons; modeling processes a, and security; necessar at-employee relations; blowing; academic ethic
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Course Name Calculus I Course Objectives:	profession. Conscious: This is a course delive form. Quizes will also be carried out. Topics electrcial-electronics/c soft skills for engineer ethics, ethical reasonir codes of ethics; case s Code MA 101 1. To give a broad kind differentiation. 3. To least the savidade of the constitution of of the co	ness in academic red in blended for be carried online covered: The aca computer/industr s: teamwork, con g and problem s tudies. Semester Fall Dividedge and basis fronthematics to	s in moral reasoning, having an understrethics. Consciousness in lifelong learning. All course materials about theoretic. There are two hours of lecture every vademic system and courses. The engineer all engineering; implications of engineer munication, writing, presentation, lifelolving; legal implications of engineering. T+A+L (hour/week) 03+02+00 c understanding of sequences and series to demonstrate the ability to use the derengineering problems.	anding of ethical and ing. cal subjects are deweek where practive ring profession; ering on society, ering learning; prog; moral responsition of the compulsory s. 2. To teach the coivative concept in	livered via the Blacal studies, discus engineering questi avironment, health fessionalism: clieroility and whistle- Local Credit 4 concepts of function applications, 4, 7	ackboard portal in online sions, and workshops wons; modeling processes a, and security; necessar and security; necessar at-employee relations; blowing; academic ethic ECTS 7 ons, limits, continuity, a codemonstrate the ability
Course Name Calculus I Course Objectives:	profession. Conscious: This is a course delive form. Quizes will also be carried out. Topics electrcial-electronics/c soft skills for engineer ethics, ethical reasonir codes of ethics; case s Code MA 101 1. To give a broad kind differentiation. 3. To lethic apply knowledge of Classification of real Functions, domain an Derivatives, differentiations.	ness in academic red in blended for be carried online covered: The aca computer/industrics: teamwork, con g and problem s tudies. Semester Fall Develoge and basis f mathematics to fumbers, comple d range. Function ials. Rolle's The faxima and minim	s in moral reasoning, having an understrethics. Consciousness in lifelong learning. All course materials about theoretic. There are two hours of lecture every wademic system and courses. The engineer and engineering; implications of engineer munication, writing, presentation, lifelolving; legal implications of engineering olving; legal implications of engineering. T+A+L (hour/week)	anding of ethical and ing. cal subjects are deweek where practive ring profession; ering on society, ering on society, ering learning; prog; moral responsitive (C/O) Compulsory s. 2. To teach the civative concept in for convergence afunctions. Limits, late forms, L'Hospital subjects and subjects are described in the civative for convergence afunctions. Limits, late forms, L'Hospital subjects are described in the civative concept in the civative civative concept in the civative civative concept in the civative civa	livered via the Blacal studies, discus engineering questivironment, health fessionalism: clier bility and whistle- Local Credit 4 concepts of function applications. 4. To and divergence of continuity and repital's Rule. Taylon	ackboard portal in online sions, and workshops wons; modeling processes a, and security; necessar at-employee relations; blowing; academic ethic ECTS 7 Tons, limits, continuity, a constrate the ability series, power series. Lated theorems.
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Course Name Calculus I Course Objectives: Course Contents: Course Name Physics I Course Objectives: Course Contents:	profession. Conscious: This is a course delive form. Quizes will also be carried out. Topics electrcial-electronics/c soft skills for engineer ethics, ethical reasonir codes of ethics; case s Code MA 101 1. To give a broad knd differentiation. 3. To l to apply knowledge of Classification of real and the profession of real and the code and absolute material code. PH 121 The main objective of understandable way. Measurements, Vector Newton's law of univ	ness in academic red in blended for be carried online covered: The aca computer/industrics: teamwork, con g and problem s tudies. Semester Fall Develope and basis and problem s tudies. Semester Fall Fall Semester Fall	s in moral reasoning, having an understrethics. Consciousness in lifelong learning. All course materials about theoretic. There are two hours of lecture every waterials engineering; implications of engineer munication, writing, presentation, lifelolving; legal implications of engineering. T+A+L (hour/week) 03+02+00 c understanding of sequences and series to demonstrate the ability to use the derengineering problems. x numbers. Sequences and series. Tests as of a single variable. Classification of forem, Mean Value Theorem. Indetermination of functions. Curve sketching. T+A+L (hour/week) 03+00+00 introduce basics of the clasical mechanials omotivated through practicle example dimension, Motion in two dimension, Work and energy, Conservation of ene	anding of ethical and ing. cal subjects are deweek where practive ring profession; ering on society, erong learning; prog; moral responsit Type (C / O) Compulsory s. 2. To teach the orivative concept in for convergence functions. Limits, tate forms, L'Hosp Type (C / O) Compulsory ics and to introdules and homework lewston's laws of	livered via the Blacal studies, discus engineering questivironment, health fessionalism: clieroility and whistle- Local Credit 4 concepts of functivapplications. 4. The continuity and repital's Rule. Taylor Local Credit 3 ce the theories and second motion of the continuity of the continuity and repital's Rule.	ackboard portal in onlinesions, and workshops wons; modeling processes, and security; necessar at-employee relations; blowing; academic ethic ECTS 7 Tons, limits, continuity, a condemonstrate the ability of demonstrate the ability of the condemons of Mac-Laurin serie ECTS 5 d applications in a clear, system, Static equilibriums.
Course Name Calculus I Course Objectives: Course Contents: Course Name Physics I Course Objectives: Course Contents:	profession. Conscious: This is a course delive form. Quizes will also be carried out. Topics electrcial-electronics/c soft skills for engineer ethics, ethical reasonir codes of ethics; case s Code MA 101 1. To give a broad knd differentiation. 3. To I to apply knowledge of Classification of real in Functions, domain and Derivatives, differential Local and absolute material Code PH 121 The main objective of understandable way. Measurements, Vector Newton's law of univon a rigid body, Rotar Code PH 131	ness in academic red in blended for be carried online covered: The aca computer/industrics: teamwork, con g and problem s tudies. Semester Fall Develope and basis nelp the students of mathematics to numbers, completed range. Function tals. Rolle's The caxima and minim Semester Fall of this course is to The students are tres, Motion in one tersal gravitation tion I, Rotation I Semester Fall Fall	s in moral reasoning, having an understrethics. Consciousness in lifelong learning. All course materials about theoretic. There are two hours of lecture every waterials engineering; implications of engineer munication, writing, presentation, lifelolving; legal implications of engineering. T+A+L (hour/week) 03+02+00 c understanding of sequences and series to demonstrate the ability to use the derengineering problems. In the problems of a single variable. Classification of the properties of the problems. Indetermination of functions. Curve sketching. T+A+L (hour/week) 03+00+00 introduce basics of the clasical mechanials omotivated through practicle example edimension, Motion in two dimension, Work and energy, Conservation of energy T+A+L (hour/week) 00+00+02	anding of ethical and anding of ethical and subjects are deweek where practive ring on society, ering	Local Credit	ackboard portal in onlin sions, and workshops wons; modeling processen, and security; necessaratemployee relations; blowing; academic ething the second security; necessaratemployee relations; blowing; academic ething the second secon
Course Name Calculus I Course Objectives: Course Contents: Course Name Physics I Course Objectives:	profession. Conscious: This is a course delive form. Quizes will also be carried out. Topics electrcial-electronics/c soft skills for engineer ethics, ethical reasonir codes of ethics; case s Code MA 101 1. To give a broad kind differentiation. 3. To let to apply knowledge of Classification of real in Functions, domain and Derivatives, differentiations, domain and Derivatives, domain a	ness in academic red in blended for be carried online covered: The aca computer/industrics: teamwork, con g and problem s tudies. Semester Fall Dividedge and basis fell the students frathematics to funthers, comple d range. Function tals. Rolle's The taxima and minim Semester Fall f this course is to The students are ors, Motion in on- tersal gravitation tion I, Rotation I Semester Fall f this course is to	s in moral reasoning, having an understrethics. Consciousness in lifelong learning. All course materials about theoretic. There are two hours of lecture every waterials engineering; implications of engineer munication, writing, presentation, lifelolving; legal implications of engineering oliving; legal implications of engineering. T+A+L (hour/week)	anding of ethical and ing. Ing. and subjects are de week where practive ring profession; ering on society, ering on so	Local Credit above the theories and second motion of the Local Credit	ackboard portal in onlinesions, and workshops wons; modeling processes, and security; necessar nt-employee relations; blowing; academic ethic ECTS 7 Tons, limits, continuity, a condemonstrate the ability of the ability of the action of Mewton's law, system, Static equilibrium ECTS ECTS 5 d applications in a clear, system, Static equilibrium ECTS 2 d applications in a clear, applications in a clear, system, Static equilibrium ECTS

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Course Name	Code	Semester	T+A+L (hour/week)	Type (C / O)	Local Credit	ECTS
Turkish Language I	TD 101	Fall	02+00+00	Compulsory	2	1
Course Objectives:	essays Joining a process	s of production o	Turkish Language. Improving critical f knowledge through communication	Writing a book revi	ew Gaining know	reage about academic
Course Contents:	Content of the course de	epends on argum	entative essays and analysis of them. argumentative essays as well as an es	Reading material al ssay-type book writt	en by a Turkish v	vriter.
Course Name	Code	Semester	T+A+L (hour/week)	Type (C / O)	Local Credit	ECIS
Computer Programming I	CE 140	Spring	02+00+02	Compulsory	3	5
Course Objectives:	techniques to solve pro	blems. Topics inc	e or no programming experience. Stuc clude the notion of computation, simp ting and debugging, and algorithmic of	le algorithms and decomplexity.	ata structures, usii	ng an editor, program
Course Contents:	Software, hardware, pro arithmetic and data type	oblem solving (ales, conditional st	Igorithms and pseudocode), Python pratements, loops, scoping, collections,	introduction to fund	tions and recursion	on.
Course Name	Code	Semester	T+A+L (hour/week)	Type (C / O)	Local Credit	ECIS
English II	EL 102	Spring	03+00+00	Compulsory	3	4
Course Objectives:	build on the following appropriate communication understanding, - Work - VOCABULARY The course will develop the mass covered by the	e, students will be skills: - Speak Ention strategy for effectively in group and expand stu	ne able to participate in seminar discus nglish fluently, - Speak clearly and con a given situation, - Give and receive to pups, - Express ideas effectively individent's knowledge of commonly used a	ncisely, - Deliver ar feedback in order to idually and in group academic vocabular	individual preser improve communos, - Participate in y as well as vocab	ntation, - Formulate an nication, - Listen for a debate oulary related to the
Course Contents:	Unit 2: Learning Onlin The World of Work, U	e, Unit 3: Chang	ing Roles in the Family, Unit 4: A Hethe Environment	althy Lifestyle, Uni		
Course Name	Code	Semester	T+A+L (hour/week)	Type (C/O)	Local Credit	ECTS
Calculus II	MA 102	Spring	03+02+00	Compulsory	4	7
Course Objectives:	1. To give a broad known to demonstrate the abil	wledge and basic	e understanding of integral calculus, 2. egration concept in applications, 4. To f limit, continuity, and partial derivation, basic integration formulas, integration	teach the fundamer ve for multivariable	itals of the vector functions.	calculus and use them i
	F D		ation of rational functions, integrals th	C.I · ·		
	Areas of plane regions parametric equations a improper integrals, test Vectors and their applicated topics. Multiva	in Cartesian, par nd polar equation is of convergence cations: Vectors, riable functions:	heorem for integrals, Fundamental The ametric and polar coordinates, finding any volumes of solids of revolution, are and divergence. Numerical integration, dot product, cross product and triple A brief account of the theory of funct ifferential forms. Homogeneous functions	g the lengths of plan as of surfaces of rev on: Method of Trapo scalar product of ve ions of several variations, Euler?s theore	e curves given by olution. Improper ezoids, method of ectors. Lines and publes. Limit and com.	cations of integrals: c Cartesian equation, r integrals: Kinds of parabolas (Simpson). planes in space and some ontinuity, partial
Course Name	Areas of plane regions parametric equations a improper integrals, test Vectors and their applicated topics. Multiva	in Cartesian, par nd polar equation is of convergence cations: Vectors, riable functions:	rametric and polar coordinates, finding n, volumes of solids of revolution, are the and divergence. Numerical integration and product cross product and triple	g the lengths of plan as of surfaces of rev on: Method of Trap scalar product of ve ions of several varia	e curves given by colution. Improper ezoids, method of actors. Lines and publes. Limit and control of the column is the column in the column in the column is the column in the column is the column in the column in the column is the column in the column in the column in the column is the column in the column i	cations of integrals: Cartesian equation, r integrals: Kinds of parabolas (Simpson). blanes in space and some
	Areas of plane regions parametric equations a improper integrals, test Vectors and their appli related topics. Multiva derivative, total differe Code	in Cartesian, par nd polar equation is of convergence cations: Vectors, riable functions: ential and exact d	rametric and polar coordinates, finding n, volumes of solids of revolution, are and divergence. Numerical integratic, dot product, cross product and triple A brief account of the theory of funct ifferential forms. Homogeneous funct T+A+L (hour/week)	g the lengths of plan as of surfaces of rev on: Method of Trap scalar product of ve ions of several variations, Euler's theore Type (C / O)	e curves given by olution. Improper ezoids, method of ectors. Lines and publes. Limit and com.	cations of integrals: c Cartesian equation, r integrals: Kinds of parabolas (Simpson). planes in space and some ontinuity, partial
Linear Algebra	Areas of plane regions parametric equations a improper integrals, test Vectors and their appli related topics. Multiva derivative, total difference Code	in Cartesian, par nd polar equation ts of convergence cations: Vectors, riable functions: ential and exact d Semester Fall	rametric and polar coordinates, finding n, volumes of solids of revolution, are and divergence. Numerical integration, dot product, cross product and triple A brief account of the theory of functifierential forms. Homogeneous functifierential forms. Homogeneous function (1) 103+00+00	g the lengths of plan as of surfaces of rev on: Method of Trap scalar product of ve ions of several variations, Euler's theore Type (C / O) Compulsory	e curves given by olution. Improper ezoids, method of actors. Lines and publes. Limit and com. Local Credit	cations of integrals: r Cartesian equation, r integrals: Kinds of parabolas (Simpson). blanes in space and some ontinuity, partial ECTS 6
Linear Algebra	Areas of plane regions parametric equations a improper integrals, test Vectors and their appli related topics. Multiva derivative, total differe Code MA 103 To develop the theory in physics and engines	in Cartesian, par nd polar equation s of convergence cations: Vectors, riable functions: ntial and exact d Semester Fall of matrices, systering	rametric and polar coordinates, finding not not not consider the construction of solids of revolution, are and divergence. Numerical integration of the product, cross product and triple the country of functifier of account of the theory of functifier of the country of function of the country of function of the country of function of the country of the	g the lengths of plan as of surfaces of rev on: Method of Traps scalar product of ve ions of several varia tions, Euler's theore Type (C / O) Compulsory ector spaces, with e	e curves given by colution. Improper executes, method of exectors. Lines and publes. Limit and comm. Local Credit 3 mphasis on conce	cations of integrals: c Cartesian equation, r integrals: Kinds of parabolas (Simpson). blanes in space and some ontinuity, partial ECTS 6 pts and techniques used
Linear Algebra Course Objectives:	Areas of plane regions parametric equations a improper integrals, test Vectors and their appli related topics. Multiva derivative, total differe Code MA 103 To develop the theory in physics and enginee Systems of linear equainverse of a matrix, ve	in Cartesian, par nd polar equation s of convergence cations: Vectors, riable functions: ntial and exact d Semester Fall of matrices, systering. tions, the matrix ctor spaces and s	rametric and polar coordinates, finding 1, volumes of solids of revolution, are: e and divergence. Numerical integratic dot product, cross product and triple A brief account of the theory of funct ifferential forms. Homogeneous funct T+A+L (hour/week) 03+00+00 ems of linear equations, vectors and vector of linear independence, matrix ubspaces, basis for a vector space, determined the control of the coordinates of the coordinat	g the lengths of plan as of surfaces of rev on: Method of Trap scalar product of ve ions of several varia tions, Euler?s theore Type (C/O) Compulsory ector spaces, with e	e curves given by colution. Improper ezcids, method of ezcids. Lines and publes. Limit and comm. Local Credit 3 mphasis on conce	cations of integrals: c Cartesian equation, r integrals: Kinds of parabolas (Simpson). blanes in space and some ontinuity, partial ECTS 6 pts and techniques used Gauss-Jordan elimination
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Principles of Atatürk and History of Turkish Republic I	AT 101	Fall	02+00+00	Compulsory	2	1
Course Objectives:	anlayur olan Atatürke	ii Dücünce Sistem	nazından, bağımsız Türk Devleti nokta i'nin tüm yönlerini, farklılıklılığını orta	aya koyarak aktariin	nası amaçıanınak	lauli.
Course Contents:	Osmanlı'nın çökme n dönem tüm ayrıntıları	edenleriyle birlikte ile verilmektedir.	e, Tanzimat Döneminden başlayan süre	eç ile Bağımsızlık m	ucadelesinden Lo	zan a kadai geçen
Course Name	Code	Semester	T+A+L (hour/week)	Type (C / O)	Local Credit	ECTS
Discrete Computational Structures	CE 201	Fall	03+00+00	Compulsory	3	5
Course Objectives:	in worling with dicor	ata computational	rovide the students with a knowledge of structures common in computrer science.	ce and computations	ai problems.	
Course Contents:	Introduction to the ma	ain concepts of dis	rete computational structures. Overvice atheres are techniques and its appoint to combinatorial analysis and its appointment and the combinatorial analysis and analysis analysis and analysis and analysis and analysis analysis and analys	ew of formal tools f nigue and how it rel	or mathematical i	orving, argorithm design
Course Name	Code	Semester	T+A+L (hour/week)	Type (C / O)	Local Credit	ECTS
Computer Programming II	CE 241	Fall	02+00+02	Compulsory	3	6
Course Objectives:	and strings effectively	y, know the relatio	analyze algorithms or computer code in ship between pointers and arrays, and	llyze user-defined ty	pes (classes), dev	relop computer code
Course Contents:	arrays, pointers, argu	ments by reference	ctions, arguments by value, default arg e, accessing arrays with pointers, passin operatör overloading.	guments to a function ng arrays to function	ns, strings, access	ing strings with pointers,
Course Name	Code	Semester	T+A+L (hour/week)	Type (C / O)	Local Credit	ECTS
Fundamentals of	CE 261	Fall	03+00+00	Compulsory	3	5
Electronics Course Objectives:	components.		t theory and the analysis and design of		ircuits employing	semiconductor
Course Contents:	Basic passive and act	tive circuit compor	nents, analysis and design of simple cir		T 10 11	Tiere
Course Name	Code	Semester	T+A+L (hour/week)	Type (C/O)	Local Credit	ECTS
Digital Design	EE 205	Fall	03+00+00	Compulsory	3	the subjectional and
Course Objectives:	This course aims to i	introduce the Boole	ean algebra and, basic analysis and syn	thesis techniques fo	or logic circuits. E	oth combinational and
Course Contents:	Boolean Algebra; log	e covered. Howeve gic networks and th	er, the emphasis is on combinational ci neir simplification; logic design technic	ques with gates and	MSI chips; comb	inational circuits; basic
- · ·	sequential circuits.	Semester	T+A+L (hour/week)	Type (C / O)	Local Credit	ECTS
Course Name	Code	Fall	03+00+00	Compulsory	3	4
English-III Course Objectives:	EL 201 READING	Fall	03100100	Company		
	academic topics. In a Differentiate betwee and purpose, Read a The course will cont context, Compare te: WRITING During this course si students will be able	addition to the skill n main ideas and s nd mind mapping, tinue to develop str ats and reading for tudents will get a p	practice of the skills they have learned information from outside sources, Summargademic texts. The course will continue	in, they will be able to ation: Looking at the n, Paraphrase and superfunknown words for in English One and marize academic texture to reinforce the	e logic of the text immarize information the context, in English Two. By tts, Paraphrase an importance of avo	the course, specific detail tion in a text. (Infer meaning from the end of the course, d quote sentences to for piding plagiarism.
Course Contents:			oses Unit Two: Sustainable energy Un	Type (C/O)	Local Credit	ECTS
Principles of Atatürk and History of Turkish		Semester Spring	T+A+L (hour/week) 02+00+00	Compulsory	2	1
Republic II Course Objectives:	Cumhuriyeti'nin ku	rulus sürecine haki	ın tarihi hakkında bilgilendirilmesi am m olarak dönemin politik ve ekonomil	k gelişmeleri hakkın	pağlamda, öğrenc ıda bilgi vermeyi	ileri, Türkiye amaçlamaktadır.
Course Contents:	Cumhuriyet'in ilanı	ndan başlayarak çe	şitli alanlarda gerçekleştirilen reformla	ar anlatilmaktadir.		
Course Name	Code	Semester	T+A+L (hour/week)	Type (C / O)	Local Credit	ECTS
Electrical and Logic Circuits Laboratory	CE 236	Spring	00+00+02	Compulsory	1	4
Course Objectives:	To teach the student	ts the construction	and operation of simple electrical and ectrical and logic circuits at laboratory	logic circuits.		
Course Contents:	Construction and op	DETAILOR OF DASIC CO			T 10 "	ECTE
Course Name	Code	Semester	T+A+L (hour/week) 03+00+02	Compulsory	Local Credit	ECTS 6
Data Structures and Algorithms	CE 242	Spring Spring	provide the students with a knowledge		(5)	
Course Objectives:	The main objective	of this course is to	data structures commonly employed i	VII IVUIIIUUIIU VI	F	

	recursion and its appli	ked lists, stacks	queues, priority queues. Discussion	n of efficient sorting, sea	rching and search	tree structures.
Course Name	Code	Semester	T+A+L (hour/week)	Type (C / O)	Local Credit	ECTS
omputer rganization and rchitecture	CE 244	Spring	03+00+00	Compulsory	3	6
ourse Objectives:	instruction set for a co	omputer. 3. To te	omputer design and evaluation. 2. ach the fundamentals of a computer n actually design these functional up	rs datapath, memory org ınits.	anization, control	ler, and input-output
Course Contents:	This course provides	the basic knowled nents used in the ramming, ?introd	dge necessary to understand the har organization and design of comput luction to the algorithmic state mac	rdware operation of com ters, ?design of an eleme	ntary basic comp	uter, ?introduction to the
Course Name	Code	Semester	T+A+L (hour/week)	Type (C / O)	Local Credit	ECTS
English-IV	EL 202	Spring	03+00+00	Compulsory	3	4
Course Objectives:	authentic academic te will be able to: Identi main and supporting Identify and summari Select appropriate tex WRITING During this course st course, students will Implications and Eva the importance of avo SPEAKING By the end of the cou strategies in academi	xts at high B2 lety function of the deas, Identify the ze key points, Usts for paper. Maladents will get probe able to synthe luation) approachoiding plagiarism arse, students will contexts, Initiate contexts, Initiate for the students will contexts, Initiate the students will contexts, Initiate for the students will be students will	be able to: Express ideas and opin e, participate in, contribute effectiv	practise the skills develoral understanding, Consword meaning from contrest to support a writer?s ation for a presentation in English One, English an extended essay using stions, such as MLA or Autons in response to other	oped in English Tidering section he ext, Develop ideas discussion, Scan of Two and English SPSIE (Situation, PA, The course we see using a variety of the section of the extension of the extensi	hree. In addition, they eadings, Identify the s about the topics the texts and select identify the select identify. Three. By the end of the Problems, Solutions, will continue to reinforce of techniques and
	classroom setting, Pr	oduce spontaneou	us spoken output	tainable Eaghian		
Course Contents:	Unit 5: Food Security	Unit 6: Human	Resource Management Unit 7: Sus	T (C / O)	Local Credit	ECTS
			TIAIT (hann/maale)			
	Code	Semester	T+A+L (hour/week)	Compulsory		6
Course Name Differential Equations Course Objectives: Course Contents:	MA 201 1.To introduce the bar equations of various First order equations (homogeneous equations)	Semester Fall sic concepts requestypes. 3.To give separable equations and Bernoul deer equations.	03+00+00 irred to understand, solve and iterpan ability to use knowledge of mathons, linear equations, exact equation is equation etc.) Picard?s iteration record order linear equations Generations.	Compulsory oret differential equation hematics in engineering ons and integrating factor method. Second order eq al theory and definitions	3 s. 2.To teach methoroblems. rs, integration by a uations whose sol. Homogeneous e	6 nods to solve differenti a change of variable lutions can be obtained quations with constant
Differential Equations Course Objectives:	MA 201 1.To introduce the baequations of various First order equations (homogeneous equat by integrating first or coefficients. The met variation of parameter Non-homogeneous elinear equations Homogeneous The Language	Semester Fall sic concepts requestypes. 3.To give and Bernoul der equations. See the door of reduction are things of the metallic states of the see transform and the see transform are transform and the see transform and	03+00+00 nired to understand, solve and iterpan ability to use knowledge of mathons, linear equations, exact equation it equation etc.) Picard?s iteration recond order linear equations Generations of order. Non-homogeneous equations are equations General theory as a systems with constant coefficients sethod Basic definitions and theorem	Compulsory oret differential equation hematics in engineering ons and integrating factor method. Second order eq al theory and definitions ions, the method of unde d definitions. Homogene und the method of variati Non-homogeneous syst ms. Heaviside and delta f	3 s. 2.To teach methoroblems. rs, integration by a uations whose sol. Homogeneous extermined coefficious equations with on of parameters dema and the methoroctions and their	a change of variable lutions can be obtained quations with constant tents and the method of the constant coefficients Systems of first order to do for variation of r Laplace transforms.
Differential Equations Course Objectives:	MA 201 1.To introduce the baequations of various First order equations (homogeneous equat by integrating first or coefficients. The met variation of parameter Non-homogeneous elinear equations Homogeneous The Language	Semester Fall Isis F	03+00+00 nired to understand, solve and iterpan ability to use knowledge of mathons, linear equations, exact equation it equation etc.) Picard?s iteration record order linear equations General linear equations General theory and hod of undetermined coefficients a systems with constant coefficients. ethod Basic definitions and theorem the Laplace transform method. Co	Compulsory oret differential equations hematics in engineering factor method. Second order equal theory and definitions ions, the method of under d definitions. Homogene ind the method of variet Non-homogeneous syst ms. Heaviside and delta factor involution. Power Series	3 s. 2.To teach methoroblems. rs, integration by auations whose sol. Homogeneous extermined coefficious equations witton of parameters tems and the methorotions and their Methods Series so	a change of variable lutions can be obtained quations with constant tents and the method of the constant coefficients Systems of first order tod of variation of r Laplace transforms, olutions near regular and
Differential Equations Course Objectives: Course Contents: Course Name	MA 201 1.To introduce the baequations of various First order equations (homogeneous equat by integrating first or coefficients. The met variation of parametes Non-homogeneous elinear equations Homogrameters. The Lap Solutions of initial varegular singular point.	Semester Fall sic concepts requestypes. 3.To give a Separable equations and Bernoul and a Separable equations and Bernoul and a Separable equations. Separable equations, the metalogeneous linear lace transform malue problems by ts Semester	03+00+00 nired to understand, solve and iterpan ability to use knowledge of mathons, linear equations, exact equation it equation etc.) Picard?s iteration record order linear equations Generof order. Non-homogeneous equations of undetermined coefficients a systems with constant coefficients. ethod Basic definitions and theorem the Laplace transform method. Co	Compulsory oret differential equations hematics in engineering factor method. Second order equal theory and definitions ions, the method of unded definitions. Homogeneus in Non-homogeneous systems. Heaviside and delta fanyolution. Power Series Type (C/O)	s. 2.To teach methoroblems. rs, integration by auations whose sol. Homogeneous extermined coefficious equations with on of parameters tems and the methorotions and their Methods Series sol. Local Credit	a change of variable lutions can be obtained quations with constant tents and the method of the constant coefficients Systems of first order tod of variation of r Laplace transforms. olutions near regular at ECTS
Differential Equations Course Objectives: Course Contents: Course Name	MA 201 1.To introduce the baequations of various First order equations (homogeneous equat by integrating first or coefficients. The met variation of paramete Non-homogeneous e linear equations Hom parameters. The Lap Solutions of initial varegular singular poin Code MDBF 299	Semester Fall Isic concepts required types. 3.To give Separable equations and Bernoul	03+00+00 nired to understand, solve and iterpan ability to use knowledge of mathons, linear equations, exact equation it equation etc.) Picard?s iteration record order linear equations General of order. Non-homogeneous equations of undetermined coefficients a systems with constant coefficients. ethod Basic definitions and theorem the Laplace transform method. Co	Compulsory oret differential equations hematics in engineering factor method. Second order equal theory and definitions ions, the method of under d definitions. Homogene and the method of variati . Non-homogeneous syst ms. Heaviside and delta for the compulsory Type (C / O) Compulsory	3 s. 2.To teach methoroblems. rs, integration by auations whose sol. Homogeneous extermined coefficious equations witton of parameters tems and the methorotions and their Methods Series so	a change of variable lutions can be obtained quations with constant tents and the method of the constant coefficients Systems of first order tod of variation of r Laplace transforms.
Differential Equations Course Objectives: Course Contents: Course Name Internship I	MA 201 1.To introduce the baequations of various First order equations (homogeneous equat by integrating first or coefficients. The met variation of paramete Non-homogeneous e linear equations Hom parameters. The Lap Solutions of initial varegular singular poin Code MDBF 299	Semester Fall Isic concepts required types. 3.To give Separable equations and Bernoul	03+00+00 nired to understand, solve and iterpan ability to use knowledge of mathons, linear equations, exact equation it equation etc.) Picard?s iteration record order linear equations Generof order. Non-homogeneous equations of undetermined coefficients a systems with constant coefficients. ethod Basic definitions and theorem the Laplace transform method. Co	Compulsory oret differential equations hematics in engineering factor method. Second order equal theory and definitions ions, the method of under d definitions. Homogene and the method of variati . Non-homogeneous syst ms. Heaviside and delta for the compulsory Type (C / O) Compulsory	s. 2.To teach methoroblems. rs, integration by auations whose sol. Homogeneous extermined coefficious equations with on of parameters tems and the methorotions and their Methods Series sol. Local Credit	a change of variable lutions can be obtained quations with constant tents and the method of the constant coefficients Systems of first order tod of variation of r Laplace transforms. olutions near regular at ECTS
Course Name Internship I Course Objectives:	MA 201 1.To introduce the baequations of various First order equations (homogeneous equat by integrating first or coefficients. The met variation of paramete Non-homogeneous e linear equations Hom parameters. The Lap Solutions of initial varegular singular poin Code MDBF 299	Semester Fall Isic concepts required types. 3.To give Separable equations and Bernoul	03+00+00 nired to understand, solve and iterpan ability to use knowledge of mathons, linear equations, exact equation it equation etc.) Picard?s iteration record order linear equations General of order. Non-homogeneous equations of undetermined coefficients a systems with constant coefficients. ethod Basic definitions and theorem the Laplace transform method. Co	Compulsory oret differential equations hematics in engineering factor method. Second order equal theory and definitions ions, the method of under d definitions. Homogene and the method of variati . Non-homogeneous syst ms. Heaviside and delta for the compulsory Type (C / O) Compulsory	s. 2.To teach methoroblems. rs, integration by auations whose sol. Homogeneous extermined coefficious equations with on of parameters tems and the methorotions and their Methods Series sol. Local Credit	a change of variable lutions can be obtained quations with constant tents and the method of the constant coefficients Systems of first order tod of variation of r Laplace transforms. olutions near regular at ECTS
Course Name Internship I Course Objectives: Course Ontents:	MA 201 1.To introduce the baequations of various First order equations (homogeneous equat by integrating first or coefficients. The met variation of paramete Non-homogeneous elinear equations Hom parameters. The Lap Solutions of initial varegular singular point Code MDBF 299 Building work exper	Semester Fall Isic concepts requives. 3.To give is Separable equations and Bernoul der equations. Set the dot of reduction its. Higher order equations, the met reduction its in the management of the dot of the dot is in the dot of the dot is in t	03+00+00 nired to understand, solve and iterpan ability to use knowledge of mathons, linear equations, exact equation etc.) Picard?s iteration recond order linear equations General theory and hod of undetermined coefficients a systems with constant coefficients. ethod Basic definitions and theoren the Laplace transform method. Co	Compulsory oret differential equation hematics in engineering ons and integrating factor method. Second order eq al theory and definitions ions, the method of unde d definitions. Homogene und the method of variati . Non-homogeneous syst ms. Heaviside and delta f involution. Power Series Type (C / O) Compulsory reer alternatives .	3 s. 2.To teach methoroblems. rs, integration by auations whose sol. Homogeneous extermined coefficious equations with on of parameters terms and the methoroctions and their Methods Series sol. Local Credit 0	6 nods to solve differenti a change of variable lutions can be obtained quations with constant ients and the method of th constant coefficients Systems of first order tod of variation of r Laplace transforms. olutions near regular at ECTS 6
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Differential Equations Course Objectives:	MA 201 1.To introduce the bacquations of various First order equations (homogeneous equat by integrating first or coefficients. The met variation of parameter Non-homogeneous e linear equations Hon parameters. The Lap Solutions of initial varegular singular point Code MDBF 299 Building work experimental Code CE 341 Operating Systems, Mutual exclusion, Paging & Segmental Eurotions Blocking	Semester Fall Since concepts required types. 3.To give Separable equations and Bernoul der equations. So hod of reduction etc. Higher order equations, the metalgeneous linear lace transform malue problems by ts Semester Fall Semester Fall History of operations on the codes Synchronic ion, On demand and Buffering Fall Semester Fall Semester Fall Semester Fall Semester Fall Semester Fall	03+00+00 nired to understand, solve and iterpan ability to use knowledge of mathons, linear equations, exact equation it equation etc.) Picard?s iteration record order linear equations General flower equations General theory and hod of undetermined coefficients a systems with constant coefficients. ethod Basic definitions and theorem the Laplace transform method. Co T+A+L (hour/week)	Compulsory oret differential equations thematics in engineering forms and integrating factor method. Second order equal theory and definitions ions, the method of under definitions. Homogeneous systems. Heaviside and delta for involution. Power Series Type (C / O) Compulsory reer alternatives . Type (C / O) Compulsory reer & process control bloom agement & Scheduling, I so n Moving Head Disks	3 s. 2.To teach methoroblems. rs, integration by a uations whose sol. Homogeneous extermined coefficious equations with on of parameters ems and the method Series sol. Local Credit Local Credit Local Credit Comparison of the method of t	a change of variable lutions can be obtained quations with constant tents and the method of the constant coefficients Systems of first order tod of variation of r Laplace transforms. Olutions near regular at ECTS 6
Course Name Internship I Course Contents: Course Contents: Course Objectives: Course Contents: Course Contents: Course Contents: Course Name Operating Systems Course Objectives:	MA 201 1.To introduce the baequations of various First order equations (homogeneous equat by integrating first or coefficients. The met variation of parameter Non-homogeneous elinear equations Homogeneous elinear equations of initial variety of the parameters. The Lap Solutions of initial variety or code MDBF 299 Building work experimental Code CE 341 Operating Systems, Mutual exclusion, Praging & Segmentat Functions, Blocking Operating Systems, Mutual exclusion, Praging Systems, Praging Systems, Mutual exclusion, Praging Systems, Praging Systems	Semester Fall Since concepts required types. 3.To give Separable equations and Bernoul der equations. See the following the second of reductions in the met togeneous linear lace transform malue problems by the second of the seco	03+00+00 nired to understand, solve and iterpan ability to use knowledge of mathons, linear equations, exact equation it equation etc.) Picard?s iteration record order linear equations General of order. Non-homogeneous equations of undetermined coefficients a systems with constant coefficients. ethod Basic definitions and theorem the Laplace transform method. Co T+A+L (hour/week)	Compulsory oret differential equations thematics in engineering factor method. Second order equal theory and definitions ions, the method of understanding the method of variations. Homogeneous systems. Heaviside and delta for involution. Power Series Type (C / O) Compulsory reer alternatives. Type (C / O) Compulsory rees & process control bloagement & Scheduling, I is on Moving Head Disks	3 s. 2.To teach methoroblems. rs, integration by a uations whose sol. Homogeneous extermined coefficious equations with on of parameters ems and the method series sol. Local Credit Local Credit Local Credit Cks, OS Kernel, CMultiprogramming, Disk Scheduling, Disk Scheduling, Disk Scheduling	a change of variable lutions can be obtained quations with constant tents and the method of the constant coefficients Systems of first order tod of variation of r Laplace transforms. Olutions near regular at ECTS 6 ECTS 5 Concurrent Processes, g, Virtual Memory, g Policies, File System Concurrent Processes, g, Virtual Memory, g Policies, File System
Course Contents: Course Objectives: Course Name Internship I Course Contents: Course Contents: Course Name Deprating Systems Course Objectives: Course Objectives:	MA 201 1.To introduce the baequations of various First order equations (homogeneous equat by integrating first or coefficients. The met variation of parameter Non-homogeneous e linear equations Hon parameters. The Lap Solutions of initial varegular singular point Code MDBF 299 Building work expertility of the Code CE 341 Operating Systems, Mutual exclusion, Paging & Segmentar Functions, Blocking Operating Systems, Mutual exclusion, Paging & Segmentar Functions, Blocking Code	Semester Fall Since concepts required types. 3.To give Separable equations and Bernoul der equations. See the following the second of reduction in the second of reductions, the met togeneous linear lace transform malue problems by the second of the second	03+00+00 nired to understand, solve and iterpan ability to use knowledge of mathons, linear equations, exact equation it equation etc.) Picard?s iteration record order linear equations General of order. Non-homogeneous equations of undetermined coefficients a systems with constant coefficients. ethod Basic definitions and theoren the Laplace transform method. Co T+A+L (hour/week)	Compulsory oret differential equations thematics in engineering factor method. Second order equal theory and definitions tons, the method of under the definitions. Homogeneous systems. Heaviside and delta for involution. Power Series Type (C / O) Compulsory	3 s. 2.To teach methoroblems. rs, integration by auations whose sol. Homogeneous extermined coefficious equations with on of parameters tems and the methods Series sol. Local Credit Local Credit Local Credit Cks, OS Kernel, CMultiprogramming, Disk Scheduling, Disk Scheduling, Disk Scheduling, Disk Scheduling, Disk Scheduling	6 nods to solve differenti a change of variable lutions can be obtained quations with constant ents and the method of the constant coefficients Systems of first order tod of variation of r Laplace transforms. olutions near regular at ECTS 6 ECTS 5 Concurrent Processes, g, Virtual Memory, g Policies, File System Concurrent Processes, g, Virtual Memory, g Policies, File System ECTS ECTS ECTS Concurrent Processes, g, Virtual Memory, g Policies, File System ECTS
Course Name Internship I Course Contents: Course Contents: Course Contents: Course Contents: Course Contents: Course Name Operating Systems Course Objectives: Course Contents: Course Contents: Course Objectives:	MA 201 1.To introduce the baequations of various First order equations (homogeneous equat by integrating first or coefficients. The met variation of parameter Non-homogeneous e linear equations Hom parameters. The Lap Solutions of initial varegular singular point Code MDBF 299 Building work expertiles and the comparation of the code CE 341 Operating Systems, Mutual exclusion, Paging & Segmentat Functions, Blocking Operating Systems, Mutual exclusion, Paging & Segmentat Functions, Blocking Code CE 343	Semester Fall Size Fall Size Concepts required types. 3.To give Separable equations and Bernoul der equations. Set Semester Fall Semester Fall History of operations, On demand and Buffering, Femester History of operations, On demand and Buffering, Femester Semester Fall Semester Fall History of operations on on demand and Buffering, Femester Semester Fall Semester Fall Fall Fall Semester Fall	03+00+00 nired to understand, solve and iterpan ability to use knowledge of mathons, linear equations, exact equation it equation etc.) Picard?s iteration record order linear equations General of order. Non-homogeneous equations of undetermined coefficients a systems with constant coefficients a systems with constant coefficients. ethod Basic definitions and theorem the Laplace transform method. Co T+A+L (hour/week)	Compulsory oret differential equations thematics in engineering forms and integrating factor method. Second order equal theory and definitions ions, the method of under definitions. Homogeneous systems. Heaviside and delta formolution. Power Series Type (C / O) Compulsory reer alternatives Type (C / O) Compulsory rese & process control blood agement & Scheduling, 1 as on Moving Head Disks on Moving Head Disks Type (C / O) Compulsory	3 s. 2.To teach methoroblems. rs, integration by a uations whose sol. Homogeneous extermined coefficious equations with on of parameters tems and the method series sold the method ser	a change of variable lutions can be obtained quations with constant ents and the method of the constant coefficients Systems of first order lod of variation of r Laplace transforms. Olutions near regular at ECTS ECTS
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		tion Handling. In	addition, it includes more depth class	about writing and c	imaneing classes,	porymorphism, abstract
Carra Nama	classes and interfaces. Code	Semester	T+A+L (hour/week)	Type (C / O)	Local Credit	ECTS
Course Name Computer Networks	CE 251	Fall	03+00+02	Compulsory	4	6
Course Objectives:	The fundamental princi	nles in the design	and implementation of computer con	nmunication networ	ks, their protocols	and applications will
Course Objectives.	be studied. Upon succe	ssful completion	of the course, a student will have a go	ood understanding of ies.	the layered netw	ork architecture, design
Course Contents:	backbone analysis. Phy layer, routing and cong	sical layer trans	ork architecture and the OSI model. Ne mission and multiplexing, terminal han and packet radio networks, local netwo	ndling, errors. Data	link layer and linl	k protocols. Network
	application layer.		The A. J. (In control la)	Type (C / O)	Local Credit	ECTS
Course Name	Code	Semester	T+A+L (hour/week) 02+00+02	Compulsory	3	5
Microprocessors	EE 342	Spring	nicroprocessors and microcontrollers a	and to learn fundame		
Course Objectives:	Arduino C/C++ langua	c operation of a f	incroprocessors and interocontrollers a	and to learn fundame	ontar programmin	.8
Course Contents:	The course is designed also, includes the study	to introduce study of the micropro	dents to assembly programming languatessor instruction set and the use asser	age, and basic interfambly and C language	acings of micropr e programming fo	ocessors. The course, or the Atmel
~ >1	Atmega328p micropro	Semester	T+A+L (hour/week)	Type (C/O)	Local Credit	ECTS
Course Name	GE 204	Spring	03+00+00	Compulsory	3	5
robability and tatistics for ingineers		, ,				
Course Objectives:	This course aims to int	roduce the stude	nts to the theory of probability and star	tistics, and its applic	ations in order to	provide some
Course Contents:	In this course data pre	centation and ans	s of data in engineering systems. alysis, probability concepts, axioms of ributions, joint distributions, condition	probability, random	variables, mathe	matical expectations, e interval and hypothesi
	testing, and application	is related to prob	ability and statistics are introduced.			
Course Name	Code	Semester	T+A+L (hour/week)	Type (C / O)	Local Credit	ECTS
Database Management	CE 344	Spring	02+00+02	Compulsory	3	6
ystems	m '1 1'1 1	dia - of DE	 DBMS (Relational Database Managem	ent Systems) The st	l judents will be ab	le to carry out analysis.
Course Objectives:	decign and implement	ation in the deve	lopment of a RDBMS. data modeling E-R diagrams conceptu			
Course Contents:	Database management database architectures triggers fundamentals	and the relationa	I database model SQL: selection, DM	L, DCL, DDL opera	tions stored proce	edures/functions, and
Course Name	Code	Semester	T+A+L (hour/week)	Type (C / O)	Local Credit	
Formal Languages and	CE 348	Spring	03+00+00	Compulsory	3	5
Automata Theory	-					10.771
Course Objectives:	topics are mathematica	al by nature and p	isic concepts: what is computation, who proofs are presented throughout. Skills	s in reasoning about	computation and	constructing proofs
Course Contents:	Introduction to the ma	etc) according to	mputation. The connection between p how "difficult" they are and correspor ia a corresponding machine (automato	nding to each langua	ges is established ge class a model	. Languages are classifie of computation is
		i is represented v)II).		
Course Name			T+A+L (hour/week)	Type (C / O)	Local Credit	ECTS
	Code	Semester	T+A+L (hour/week) 03+00+02	Type (C / O) Compulsory	Local Credit	ECTS 6
Network Engineering I	Code CE 352 The goal of Introduction routers and switches, a be able to configure at MAN routing.	Semester Spring on to Networks s and implement II and troubleshoot r	T+A+L (hour/week) 03+00+02 ection is to make students will be able addressing schemes. The goal of Rou outers and switches and resolve comments.	Compulsory to build simple LA uting and Switching non issues with RIPv	4 Ns, perform basic Essentials session 1, RIPng, OSPF,	6 c configurations for n is to make students wi VLANs, and inter-
Network Engineering I Course Objectives:	Code CE 352 The goal of Introduction routers and switches, a be able to configure at VLAN routing. The aim of this course	Semester Spring on to Networks s and implement II and troubleshoot r	T+A+L (hour/week) 03+00+02 ection is to make students will be able addressing schemes. The goal of Rououters and switches and resolve communication overview of networking freproach to networking.	Compulsory to build simple LA uting and Switching non issues with RIPv from fundamentals to	Ns, perform basic Essentials session (1, RIPng, OSPF, advanced practic	c configurations for a sto make students will VLANs, and intercal applications and
Network Engineering I Course Objectives: Course Contents:	Code CE 352 The goal of Introduction routers and switches, a be able to configure at VLAN routing. The aim of this course	Semester Spring on to Networks s and implement II and troubleshoot r	T+A+L (hour/week) 03+00+02 ection is to make students will be able addressing schemes. The goal of Rououters and switches and resolve community the control of the control	Type (C/O) Compulsory to build simple LA uting and Switching non issues with RIPv from fundamentals to	Ns, perform basic Essentials session (1, RIPng, OSPF, advanced practic	c configurations for in is to make students will VLANs, and intercal applications and
Network Engineering I Course Objectives: Course Contents: Course Name	Code CE 352 The goal of Introduction routers and switches, a be able to configure at VLAN routing. The aim of this course services. It is based or Code CE 356	Semester Spring on to Networks s and implement II and troubleshoot r is provide a con the top-down at Semester Spring	T+A+L (hour/week) 03+00+02 ection is to make students will be abled addressing schemes. The goal of Routouters and switches and resolve communication overview of networking from the proach to networking. T+A+L (hour/week) 03+00+00	Type (C/O) Compulsory to build simple LA uting and Switching non issues with RIPv from fundamentals to Type (C/O) Compulsory	Ns, perform basic Essentials session (1, RIPng, OSPF, advanced practic Local Credit	c configurations for a sto make students wi VLANs, and intercal applications and ECTS 5
Network Engineering I Course Objectives: Course Contents: Course Name Software Engineering	Code CE 352 The goal of Introduction routers and switches, a be able to configure at VLAN routing. The aim of this course services. It is based on Code CE 356 This course aims to te development process initiate students to difference of the course students to difference of the course aims to te development process initiate students to difference of the course aims to te development process initiate students to difference of the course of the cour	Semester Spring on to Networks s and implement II and troubleshoot r e is provide a con a the top-down ap Semester Spring ach students an u and giving them ferent software p	T+A+L (hour/week) 03+00+02 ection is to make students will be abled addressing schemes. The goal of Rououters and switches and resolve communication overview of networking from the proach to networking. T+A+L (hour/week) 03+00+00 Inderstanding of how to develop a soft fundamental principles of system deverocess models, software requirements	Type (C/O) Compulsory to build simple LA uting and Switching non issues with RIPv Trom fundamentals to Type (C/O) Compulsory tware system from selepoment with object	Ns, perform basic Essentials session 1, RIPng, OSPF, advanced practic Local Credit 3 cratch by guiding to oriented technol	c configurations for a sto make students wind VLANs, and intercal applications and ECTS 5 them through ogy. The course will
Course Name Network Engineering I Course Objectives: Course Contents: Course Name Software Engineering Course Objectives: Course Objectives:	Code CE 352 The goal of Introduction routers and switches, a be able to configure at VLAN routing. The aim of this course services. It is based or Code CE 356 This course aims to te development process initiate students to differ implementation, valid This course covers so evolution. A variety of people management.	Semester Spring on to Networks sand implement II and troubleshoot r is is provide a con a the top-down ap Semester Spring ach students an u and giving them ferent software p ation, documenta fitware developm of concepts, techm system models, a	T+A+L (hour/week) 03+00+02 lection is to make students will be abled addressing schemes. The goal of Rou outers and switches and resolve communication in the proposal to networking. T+A+L (hour/week) 03+00+00 Inderstanding of how to develop a soft fundamental principles of system deverocess models, software requirements action and presentation. ent process, requirements elicitation and inques and tools are presented for software richtectural design, implementation, verification in the process of the proce	Type (C/O) Compulsory e to build simple LA uting and Switching non issues with RIPv Tom fundamentals to Type (C/O) Compulsory tware system from selopment with object engineering, project and analysis, specific ware process, software process, software rification, validation	Ns, perform basic Essentials session 1, RIPng, OSPF, 2 advanced practic Local Credit 3 cratch by guiding t oriented technol t management, sy ation, design, impre requirements,	configurations for is to make students will VLANs, and intercal applications and ECTS them through ogy. The course will stem analysis, design, plementation, testing and project management,
Network Engineering I Course Objectives: Course Contents: Course Name Software Engineering Course Objectives: Course Contents:	Code CE 352 The goal of Introduction routers and switches, a be able to configure at VLAN routing. The aim of this course services. It is based on Code CE 356 This course aims to te development process initiate students to diffirm time to the course covers so evolution. A variety of people management, students will develop	Semester Spring on to Networks s and implement II and troubleshoot r is provide a con the top-down an Semester Spring ach students an u and giving them ferent software p ation, documents ftware developm f concepts, techn system models, a a real-life projec	T+A+L (hour/week) 03+00+02 lection is to make students will be abled addressing schemes. The goal of Rou outers and switches and resolve community and the switches and to networking. T+A+L (hour/week) 03+00+00 Inderstanding of how to develop a soft fundamental principles of system deverocess models, software requirements action and presentation. ent process, requirements elicitation and inques and tools are presented for softy rehitectural design, implementation, very to practice topics they learned in this	Type (C/O) Compulsory e to build simple LA uting and Switching non issues with RIPv Tom fundamentals to Type (C/O) Compulsory tware system from selopment with object engineering, project and analysis, specific ware process, softwa erification, validation to course.	Ns, perform basic Essentials session 1, RIPng, OSPF, 2 advanced practic Local Credit 3 cratch by guiding t oriented technol t management, sy ation, design, impre requirements, in and software even	configurations for is to make students will VLANs, and intercal applications and ECTS 5 them through ogy. The course will stem analysis, design, plementation, testing and project management, volution. The team of
Network Engineering I Course Objectives: Course Contents: Course Name Software Engineering Course Objectives: Course Contents:	Code CE 352 The goal of Introduction routers and switches, a be able to configure at VLAN routing. The aim of this course services. It is based on Code CE 356 This course aims to te development process in itiate students to differ implementation, valid This course covers so evolution. A variety opeople management, students will develop Code	Semester Spring on to Networks s and implement II and troubleshoot r is is provide a con a the top-down an Semester Spring ach students an u and giving them ferent software p ation, documents ftware developm f concepts, techn system models, a a real-life projec Semester	T+A+L (hour/week) 03+00+02 lection is to make students will be abled addressing schemes. The goal of Rot outers and switches and resolve community of the switches and switches and resolve community of the switches and switches and switches and switches and presentation. It is a switches and resolve community of the switches and switches and switches and the switches and resolve the switches and resolve community of the switches and resolve commu	Type (C/O) Compulsory to build simple LA uting and Switching non issues with RIPv Type (C/O) Compulsory tware system from selopment with object engineering, project and analysis, specific ware process, software reification, validation to course. Type (C/O)	Ns, perform basic Essentials session 1, RIPng, OSPF, o advanced practic 3 Credit 3 Cratch by guiding to criented technol tranagement, sy ation, design, impre requirements, in and software every Local Credit Local Credit	configurations for is to make students will VLANs, and intercal applications and ECTS them through ogy. The course will stem analysis, design, plementation, testing and project management, wolution. The team of
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Network Engineering I Course Objectives: Course Contents: Course Name Software Engineering Course Objectives: Course Contents: Course Index Name Numerical Methods Course Objectives:	Code CE 352 The goal of Introduction routers and switches, a be able to configure at VLAN routing. The aim of this course services. It is based on Code CE 356 This course aims to te development process initiate students to diffirm plementation, valid This course covers so evolution. A variety of people management, students will develop Code MA 302 This course aims to in sciences. The students industry. Description of numer.	Semester Spring on to Networks s and implement II and troubleshoot r is is provide a con the top-down ap Semester Spring ach students an u and giving them ferent software p ation, documents tware developm f concepts, techn system models, a a real-life projec Semester Spring troduce the stude s will learn how i	T+A+L (hour/week) 03+00+02 lection is to make students will be abled addressing schemes. The goal of Rot outers and switches and resolve community of the process and switches and resolve community of the process of the process models, software requirements attion and presentation. Lett process, requirements elicitation and inques and tools are presented for software interest and tools are presented in this T+A+L (hour/week) 03+00+00 ents to the language, logic, and mather numerical analyses can be applied to a	Type (C/O) Compulsory to build simple LA uting and Switching non issues with RIPv Trom fundamentals to Type (C/O) Compulsory tware system from se elopment with object engineering, project and analysis, specific ware process, software rification, validation course. Type (C/O) Compulsory matics of numerical a wide range of proble	Ns, perform basic Essentials session 1, RIPng, OSPF, o advanced practic 2 Local Credit 3 cratch by guiding to oriented technol to management, sy ation, design, impre requirements, in and software experienced by the series of important and lyses in numerical experienced by the series of important and lyses in numerical experienced by the series of important and software experience	configurations for a sto make students will VLANs, and intercal applications and ECTS 5 them through ogy. The course will stem analysis, design, polementation, testing and project management, volution. The team of ECTS 5 in engineering and the ce in the sciences,
Network Engineering I Course Objectives: Course Contents: Course Name Software Engineering Course Objectives: Course Contents: Course Name Numerical Methods Course Objectives:	Code CE 352 The goal of Introduction routers and switches, a be able to configure at VLAN routing. The aim of this course services. It is based or Code CE 356 This course aims to te development process initiate students to diffigure in the course covers so evolution. A variety of people management, se students will develop Code MA 302 This course aims to in sciences. The students industry. Description of numer solutions, numerical results and switches will result in the course aims to in sciences. The students industry.	Semester Spring on to Networks sand implement III and troubleshoot resist is provide a contract the top-down and semester Spring ach students and and giving them ferent software pation, documentativare developm for concepts, technical system models, as a real-life project Semester Spring system system system in the system	T+A+L (hour/week) 03+00+02 section is to make students will be abled addressing schemes. The goal of Rou outers and switches and resolve community of the process of the section of the	Type (C/O) Compulsory to build simple LA uting and Switching non issues with RIPv Tom fundamentals to Type (C/O) Compulsory tware system from selopment with object engineering, project and analysis, specific ware process, software process, software rification, validations course. Type (C/O) Compulsory matics of numerical a wide range of problems.	Ns, perform basic Essentials session 1, RIPng, OSPF, advanced practic 2 advanced practic 3 cratch by guiding to oriented technol transgement, sy ation, design, imprese requirements, in and software expension and software expensions of important and the soft important and the	configurations for is to make students will VLANs, and intercal applications and ECTS 5 them through ogy. The course will stem analysis, design, polementation, testing and project management, volution. The team of ECTS 5 in engineering and the ce in the sciences, and methods, analytical atton, linear regression,
Network Engineering I Course Objectives: Course Contents: Course Name Software Engineering Course Objectives: Course Contents: Course Name Numerical Methods Course Objectives: Course Objectives:	Code CE 352 The goal of Introduction routers and switches, a be able to configure at VLAN routing. The aim of this course services. It is based on Code CE 356 This course aims to te development process initiate students to diffirm plementation, valid This course covers so evolution. A variety of people management, students will develop Code MA 302 This course aims to in sciences. The students industry. Description of numer.	Semester Spring on to Networks sand implement III and troubleshoot resist is provide a contract the top-down and semester Spring ach students and and giving them ferent software pation, documentativare developm for concepts, technical system models, as a real-life project Semester Spring system system system in the system	T+A+L (hour/week) 03+00+02 lection is to make students will be abled addressing schemes. The goal of Rot outers and switches and resolve community of the process and switches and resolve community of the process of the process models, software requirements attion and presentation. Lett process, requirements elicitation and inques and tools are presented for software interest and tools are presented in this T+A+L (hour/week) 03+00+00 ents to the language, logic, and mather numerical analyses can be applied to a	Type (C/O) Compulsory to build simple LA uting and Switching non issues with RIPv Trom fundamentals to Type (C/O) Compulsory tware system from se elopment with object engineering, project and analysis, specific ware process, software rification, validation course. Type (C/O) Compulsory matics of numerical a wide range of proble	Ns, perform basic Essentials session 1, RIPng, OSPF, o advanced practic 2 Local Credit 3 cratch by guiding to oriented technol to management, sy ation, design, impre requirements, in and software experienced by the series of important and lyses in numerical experienced by the series of important and lyses in numerical experienced by the series of important and software experience	configurations for is to make students will VLANs, and intercal applications and ECTS 5 them through ogy. The course will stem analysis, design, polementation, testing and project management, volution. The team of ECTS 5 in engineering and the ce in the sciences, and methods, analytical atton, linear regression,
Network Engineering I Course Objectives: Course Contents: Course Name Software Engineering Course Objectives:	Code CE 352 The goal of Introduction routers and switches, a be able to configure at VLAN routing. The aim of this course services. It is based on Code CE 356 This course aims to te development process initiate students to diffigure implementation, valid This course covers so evolution. A variety of people management, students will develop Code MA 302 This course aims to in sciences. The students industry. Description of numerical roumerical integration	Semester Spring on to Networks sand implement II and troubleshoot resist is provide a contact the top-down and Semester Spring and students and and giving them ferent software pation, documents thware developm f concepts, technisystem models, a a real-life project Spring Semester Spring Semester Spring stroduce the studes will learn how in the students and methods for the students and metho	T+A+L (hour/week) 03+00+02 section is to make students will be abled addressing schemes. The goal of Rou outers and switches and resolve community of the process and switches and resolve community of the process of the process of the process models, software requirements ation and presentation. T+A+L (hour/week) 03+00+00 inderstanding of how to develop a soft fundamental principles of system deverocess models, software requirements ation and presentation. The process, requirements elicitation and inques and tools are presented for software interest ation and tools are presented for software interest ations and tools are presented for software interest ations and tools are presented for software interest and tools are presented for software interest and tools are presented for software interest of the language, logic, and mather interest of the language, logic, and mather interest and software interest and process can be applied to a application of them particularly in engolution of systems (linear and nonlinear	Type (C/O) Compulsory to build simple LA uting and Switching non issues with RIPv Tom fundamentals to Type (C/O) Compulsory tware system from selopment with object engineering, project and analysis, specific ware process, software process, software rification, validations course. Type (C/O) Compulsory matics of numerical a wide range of problems.	Ns, perform basic Essentials session 1, RIPng, OSPF, advanced practic 2 advanced practic 3 cratch by guiding to oriented technol transgement, sy ation, design, imprese requirements, in and software expension and software expensions of important and the soft important and the	configurations for is to make students will VLANs, and intercal applications and ECTS 5 them through ogy. The course will stem analysis, design, polementation, testing and project management, volution. The team of ECTS 5 in engineering and the ce in the sciences, and methods, analytical atton, linear regression,

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Course Objectives:	Building work experie	ence, integrating th	eory and practice, exploring caree	i ancinanves.		
Course Contents:						
Course Name	Code	Semester	T+A+L (hour/week)	Type (C / O)	Local Credit	ECTS
ngineering Problem olving and Project Management	GE 401	Fall	02+00+00	Compulsory	2	6
Course Objectives:	and application of the	well-known metho	ring students the basic definitions odologies. The course also covers	the project management	and related topics	s that will be very
Course Contents:	design concentual de	sign, embodiment	definition of engineering problem design, detailed design, concurren riting, innovation problem-solving	t engineering, teamwork	, numan as a soci	at entity in team works,
Course Name	Code	Semester	T+A+L (hour/week)	Type (C/O)	Local Credit	ECTS
Economics for Engineers	EC 309	Spring	03+00+00	Compulsory	3	4
Course Objectives:	in simlar of microco	onomics 2 To pres	ability to use economic analysis is ability to use economic analysis is ant students the general functioning.	ng of macroeconomics li	n relation to Turk	ish economy
Course Contents:	Introduction to the pr	inciples of microed	conomics; the fundamental probler ic finance; the modeling of macro	ns of economies; the mo	ional context	ord and firm behaviors,
Course Name	Code	Semester	T+A+L (hour/week)	Type (C / O)	Local Credit	ECTS
Engineering Design Project	GE 400	Spring	00+08+00	Compulsory	4	10
Course Objectives:	by waing the knowled	ge gained from the	ill find realistic solutions to open-eir undergraduate education.			
Course Contents:	A design project is th	e last stage of unde e or more faculty r	ergraduate education. An interdisc nembers. The faculty assignment,	iplinary project with a to the proposal dates and the	eam of 2-4 studen he final report sub	omission along with the
Course Name	Code	Semester	T+A+L (hour/week)	Type (C / O)	Local Credit	ECTS
Embedded System Design	CE 354	Fall	03+00+00	Elective	3	8
Course Objectives:	development		rtaking embedded systems design			e application
Course Contents:	This course presents	state-of-the-art me	thods, concepts, tools and techniq			ECTS
Course Name	Code	Semester	T+A+L (hour/week)	Type (C / O)	Local Credit	8
Computer Simulation	CE 412	Fall-Spring	03+00+00	Elective	3	
Course Objectives:	model will be taught	and theory and tec	system models will be studied. The chiques for determining the accurvill be able to practice the technique	acy of a simulated syste	m will be examin d.	ed. Through several
Course Contents:	Simulation is the pra	ctice of designing	a model of an actual or theoretical ses on computer-based simulation, and record the data which describ	where the model is imposes the simulated system	model to observe lemented as part of es behavior?	or a computer program,
Course Name	Code	Semester	T+A+L (hour/week)	Type (C/O)	Local Credit	ECTS
Mobile Application	CE 414	Spring	03+00+00	Elective	3	8
Development	mr. 1 1	6.1	tion of mobile device programmin	a Emphases are on dev	eloning application	ons on the Android
Course Objectives:	platform. Students w platform. The course sample apps for the	vill gain knowledge will be hands-on Andriod. The course	e of how to design, develop, and do and project-based. We will examin se covers the UI based application size mobile software development	eploy mobile application the the development mod s, store data on mobile, of projects.	els for Android. V	We'll being by building and retrieve data from a
Course Contents:	The emergence of a	nesy generation of	smart mobile devices and platforn lopers. This course will teach And	ns such as the Apple iPh roid platform for writing	g wireless applica	tion.
Course Name	Code	Semester	T+A+L (hour/week)	Type (C / O)	Local Credit	ECTS
Cloud Infrastructure	CE 415	Fall-Spring	03+00+00	Elective	3	8
and Services Course Objectives:	computing environn	nent. Upon comple	y considerations and steps involved ting this course, students will have best deployment model for an orga	e the knowledge to make	e informed decisio	ons about inigrating to
Course Contents:	The Cloud Infrastructure the key consideratio	cture and Services	(CIS) course educates students ab- cloud computing.	out cloud deployment ar		
Course Name	Code	Semester	T+A+L (hour/week)	Type (C / O)	Local Credit	ECTS
Information Storage and Management	CE 416	Fall	03+00+00	Elective	3	8
Course Objectives:	complex IT environ	ment. ISM builds a	ing of storage technology, which variety in the strong understanding of underlying the strong underlying underlying the strong underlying under	ng storage technologies	and prepares stud	ents to learn advanced
Course Contents:	Information Storage	and Management	(ISM) is the only course of its kin ture, including virtual environmen	d to fill the knowledge g	gap in understand	
	incorn michilianon			T (C / O)	I and Cundit	ECTS
Course Name	Code	Semester	T+A+L (hour/week)	Type (C / O)	Local Credit	ECTS
Course Name Introduction to	Code CE 418	Semester Fall	03+00+00	Elective	3	8

Course Objectives:	objects in combinatori	al designs and gra	ne fundamental concepts and theorem ph theory.			
Course Contents:	Topics include set the	ory mathematical	induction, integers, functions and rel principle of inclusion and exclusion,	combinatorial design	s and graphs (incl	uding planar graphs).
Course Name	Code	Semester	T+A+L (hour/week)	Type (C / O)	Local Credit	ECTS
Graph Theory	CE 420	Fall-Spring	03+00+00	Elective	3	8
Course Objectives:	The main objective of this course is for students to learn some classical theorems and algorithms in the field of algorithmic graph theory. is expected that students will be able to demonstrate their knowledge of algorithms by solving concrete problems. Students will learn som of the applications of graph algorithms in computer engineering and will be able to define some engineering problems on graphs and develop algorithms to solve them. They will be required to complete a small project and make a short simulation in class. In this course we will discuss elements of graph theory with emphasis on algorithms. Approximately half of the course will be devoted to					
Course Contents:	graph-theoretic tonics	and the other half connectivity, netv nes on graphs.	Fwill be devoted to algorithmic appli work flows and Hamiltonian graphs. I	cations. Topics including addition they will l	de spanning trees, earn advanced top	pics such as list coloring
Course Name	Code	Semester	T+A+L (hour/week)	Type (C / O)	Local Credit	ECTS 8
Network Engineering I	CE 453	Fall	03+00+02	Elective		
Course Objectives:	provide network acces	ss to LAN users. T	Ss session is to develop an understand This course also teaches how to integroof fundamental networking concepts a	rate wireless devices and technologies.	into a LAN. The	goal of Accessing the
Course Contents:	Differentiating between features, commands to identify PPP operation	en the following Voconfigure frame	VAN services: LAPB, Frame Relay, relay LMIs, maps, and subinterfaces WAN data on Cisco routers State a repints, and channels Cisco?s implement	ISDN/LAPD, HDLC commands to monitor to the commands to monitor the content of ISDN BRI.	or frame relay ope at for ISDN netwo	orking, Identify ISDN
Course Name	Code	Semester	T+A+L (hour/week)	Type (C / O)	Local Credit	ECTS
Database Application Development	CE 461	Spring	03+00+02	Elective	4	8
Course Objectives:	The students will be a development environment environment environment using PL/SOL within	ble to design and nents with a graph the application so	ver applications for end users based implement forms and reports using the hical user interface. They will also le heme.	he Oracle Internet Ap arn how to implemen	plications Develo t triggers, subpro	oper tools which are grams and access contro
Course Contents:	Form development, for alerts, query triggers, timers, charts, report	validation, naviga	blocks, frames, text items, LOV's, in ation, transaction processing, multiple relopment.	nput items, Windows e form applications, r	and canvases, trignenu modules, da	ta sources, record group
Course Name	Code	Semester	T+A+L (hour/week)	Type (C / O)	Local Credit	ECTS
Design and Analysis of Algorithms	CE 467	Fall	03+00+00	Elective	3	8
Course Objectives:	and experience in the	design and imple	provide the students with a knowledg mentation of algorithms commonly e	employed in compute	r science and com	iputational problems.
Course Contents:	Introduction to the management asymptotically, bound such as divide-and-co	ain concepts of de ding sums, and so onquer, randomiza	sign and analysis of algorithms. Ove olving recurrences. Discussion of effi- tion, dynamic programming, amortize problems related to sets, sequences,	rview of basic analys ciently solvable prob ation, and greedy algo	is techniques: app lems with a focus	on design techniques
Course Name	Code	Semester	T+A+L (hour/week)	Type (C/O)	Local Credit	ECTS
Compiler Design	CF 473	Fall-Spring	03+00+00	Elective	3	8
Course Objectives:	Introduction to comp internal representatio	n of the source pro	and implementation, including formal ogram, semantic analysis, run-time eleof a contemporary language, targeted	nvironment issues an I to a virtual machine	d code generation	. Students will write a
Course Contents:	The phases of compiler is	ation, lexical anal	ysis, parsing, type checking, JVM co	ode generation, surve	y of famous Java	
Course Name	Code	Semester	T+A+L (hour/week)	Type (C / O)	Local Credit	ECTS
Introduction to Computational Biology	CE 474	Fall	03+00+00	Elective	3	8
Course Objectives:	computational metho	ds and algorithms	ding of modelling biological problen applicable on biological problems. (tional biology&bioinformatics tools.	(3) Skills to design an	d implement new	algorithms for similar
Course Contents:	An introduction to the comprising an organi in biology. A discuss	e use of computer sm. An overview ion of the concep- gene expression as	science methods, tools, and algorith of string matching algorithms and da ts on sample sequence databases. Clu nalysis. A discussion of bioinformati lysis via design and engineering of g	ms for the analysis of the structures applied istering algorithms from the structure of the cs networks (protein raph algorithms and of	to sequence data om data mining winteraction netwo data structures fro	and alignment problem with an application to rks, regulatory network m computer science.
Course Name	Code	Semester	T+A+L (hour/week)	Type (C/O)	Local Credit	ECTS
Computer Networks And Mobile Computing	CE 475	Fall	03+00+00	Elective	3	8
Course Objectives:	of these networks		pproaches towards networking in mo			
Course Contents:	Start with principles	phasize how netv	processes that led to todays Network vork software is implemented, i.e, to	ks, using TCP/IP Inte understand how a co	rnet and as a mod mplete network o	el illustrate how networ perates, all the way from

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Course Name	Code	Semester	T+A+L (hour/week)	Type (C / O)	Local Credit	ECTS
nternet Engineering	CE 476	Fall	03+00+00	Elective	3	8
nd Web Site Develo Course Objectives:	Introduction to basic we	eb design and we	b development technologies, the de	evelopment of basic ski	ills in HTML and	web programming.
Course Contents:	* Temel Web Sayfası Y	apısı * HTML v	e HTML stilleri * Javascript			
Course Name	Code	Semester	T+A+L (hour/week)	Type (C / O)	Local Credit	ECTS
Artificial Intelligence	CE 480	Spring	03+00+00	Elective	3	8
Course Objectives:	related to artifical intell	igence They wil	basics of artifical intelligence. The l solve problems coming from appl	lication areas related to	artifical intellige	nce.
Course Contents:	Representation of know	vledge. Search an	d heuristic programming. Logic an uning, learning, vision, and natural	nd logic programming.	Applications rela	ted to problem solving,
Course Name	Code	Semester	T+A+L (hour/week)	Type (C / O)	Local Credit	ECTS
e-Business/e-	CE 481	Fall	03+00+00	Elective	3	8
Commerce					1	:t: davidamment
Course Objectives:	activities		commerce, and to conduct work or			ication development
Course Contents:	e-business/e-commerce	e, business plan, l	egal issues, customer orientation, a	application developmen	it, platforms.	
Course Name	Code	Semester	T+A+L (hour/week)	Type (C / O)	Local Credit	ECTS
Network Management	CE 482	Fall	03+00+00	Elective	3	8
Course Objectives:	forecast telecommunic	ation traffic 4. To	nmunication network structure and provide network management tasl telecommunication market structure.	ks: (fault, configuration	i, periormance, se	curity, and accounting
Course Contents:	network standards, pro voice and data network	tocols and archites, local and wide ion, performance	n, design, analysis, optimize and m ecture. OSI protocol and, TMN star e area networks, and overall networ , security and accounting) of networ s, services, standard bodies, regular	ndard. Telecommunica rk management. Netwo ork management. Conv tions and policies.	rk management c	omponents and functions
Course Name	Code	Semester	T+A+L (hour/week)	Type (C / O)	Local Credit	ECTS
Distributed Systems	CE 484	Fall	03+00+00 way of data processing and comput	Elective	3	8
	system image. Such a	vasic structure pr	rovides a base for application spann	huted systems will be e	xplained From the	ne perspective of
Course Contents:	With in that co ntext, by application, students a This course covers open distributed systems an synchronization, process.	pasic and detailed re expected to pro- crating system co d system transpar ess/processor man	I information on establishing distribution on establishing distribution of the state of the stat	buted systems will be e g the information provion image in a distributed les such as resource ma	xplained. From the ded by both lecture environment. Changement, interp	re and literature surveys. aracterization of rocess communication,
	With in that co ntext, by application, students a This course covers open distributed systems an synchronization, process and cloud computing a system of the system of th	pasic and detailed re expected to pro- crating system co d system transpaless/processor manare discussed.	I information on establishing distrituduce typical examples by utilising neepts that provide a single system rencies are given. Basic design issumagement, consistency control, mer	buted systems will be e g the information provion image in a distributed les such as resource ma	xplained. From the ded by both lecture environment. Changement, interp	re and literature surveys. aracterization of rocess communication,
Course Name Software Quality and	With in that co ntext, by application, students a This course covers open distributed systems an synchronization, process.	pasic and detailed re expected to pro- crating system co d system transpar ess/processor man	I information on establishing distrituduce typical examples by utilising neepts that provide a single system rencies are given. Basic design issues	buted systems will be eg the information provident image in a distributed use such as resource mamory management and	xplained. From the ded by both lecture environment. Chunagement, interpfile management	re and literature surveys. aracterization of rocess communication, in distributed systems
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Course Name Software Quality and Testing Course Objectives:	With in that co ntext, by application, students at This course covers open distributed systems and synchronization, process and cloud computing at Code CE 485 The students who will technologies 2. Gain at analysis strategies can contribute quality imposition. This course covers sold produce better quality tools and pipelines, are	pasic and detailed re expected to pre expected to pre rating system cod system transparent expected from the system transparent discussed. Semester	l information on establishing distrituduce typical examples by utilising neepts that provide a single system rencies are given. Basic design issuragement, consistency control, mer T+A+L (hour/week) 03+00+00 will: 1. Understand the need for quading of version-control systems are perfectly of software bug 4. Set up and us existing project uses and the key concepts of software laso more maintainable. The course also more maintainable. The course also more maintainable in project grount, integration and acceptance testi	the dispersion of the companies of the information provided in image in a distributed lies such as resource may management and incompanies. Type (C / O) Elective Type (C / O)	check the implement and of the implement in the standard was a subject to the implement in the standard was a subject the implement in the standard was a subject to the implement in the standard was a subject to the implement in the standard was a subject to the implement in the standard was a subject to the implement in the standard was a subject to the standard	re and literature surveys. aracterization of rocess communication, in distributed systems ECTS 8 ne evolution of software which testing or code ices 5. Be able to best processes to follow to mated quality assurance intation of a system or
Course Name Software Quality and Testing Course Objectives: Course Contents:	With in that co ntext, by application, students at This course covers open distributed systems and synchronization, process and cloud computing at Code CE 485 The students who will technologies 2. Gain at analysis strategies can contribute quality imposition. This course covers sold produce better quality tools and pipelines, are	pasic and detailed re expected to pre rating system cod system transparations from the record system transparation from the record system transparation from the record system transparation from the record system to an arrow transparation from the record system to an arrow transparation from the record system to an arrow transparation from the record system that is a distributed to the record system transparation from the record system transparation fr	l information on establishing distrituduce typical examples by utilising neepts that provide a single system rencies are given. Basic design issunagement, consistency control, mer T+A+L (hour/week) 03+00+00 will: 1. Understand the need for quanding of version-control systems are pe of software bug 4. Set up and us existing project uses and the key concepts of software laso more maintainable. The course also more maintainable. The course also more maintainable also more testi T+A+L (hour/week)	the desired systems will be egathe information provide a timage in a distributed less such as resource manory management and Type (C / O) Elective Tality development and and related best practice a seautomated continuous are testing. Students will estimate will discuss different ps are required to comping. Type (C / O)	management in the state of tests, autolete the implement Local Credit I learn about the types of tests, autolete the impleme	re and literature surveys. aracterization of rocess communication, in distributed systems ECTS 8 ne evolution of software which testing or code ices 5. Be able to best processes to follow omated quality assurance that on of a system or ECTS ECTS
Course Name Software Quality and Testing Course Objectives: Course Contents: Course Name Smart Multimedia	With in that co ntext, by application, students at This course covers open distributed systems and synchronization, process and cloud computing at Code CE 485 The students who will technologies 2. Gain at analysis strategies can contribute quality imposition of the course covers soft produce better quality tools and pipelines, and significant subsystem Code CE 487	pasic and detailed re expected to pre- grating system cod system transparation of the	l information on establishing distrituduce typical examples by utilising neepts that provide a single system rencies are given. Basic design issumagement, consistency control, mer T+A+L (hour/week) 03+00+00 will: 1. Understand the need for quading of version-control systems are of software bug 4. Set up and us existing project ues and the key concepts of software laso more maintainable. The course also more maintainable. The course also more maintainable also more maintainable. The course in the strength of the streng	the test systems will be egathe information provide in image in a distributed less such as resource may management and such as the such as resource may management and related best practices and related best practices are automated continuous are testing. Students will entire will discuss different passare required to company. Type (C / O) Elective	rypained. From the ded by both lecture environment. Church interpretent in the second of the second	re and literature surveys. aracterization of rocess communication, in distributed systems ECTS 8
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Course Name Software Quality and Testing Course Objectives: Course Contents: Course Name Smart Multimedia Systems Course Objectives:	With in that co ntext, by application, students at This course covers open distributed systems and synchronization, process and cloud computing at Code CE 485 The students who will technologies 2. Gain at analysis strategies can contribute quality important tools and pipelines, are significant subsystem Code CE 487 This course aims to in software modules improvered. Smart TV systems: he	pasic and detailed re expected to pre- grating system cod system transparation of the pre- grating system cod system transparation of the pre- grating system cod system transparation of the processor marked discussed. Semester Fall take this course adeeper understare acted a given typerovements to an offtware quality issued and undertake undertaken unde	l information on establishing distrituduce typical examples by utilising neepts that provide a single system rencies are given. Basic design issumagement, consistency control, mer T+A+L (hour/week) 03+00+00 will: 1. Understand the need for quading of version-control systems are of software bug 4. Set up and us existing project ues and the key concepts of software last on more maintainable. The course also more maintainable. The course also more maintainable. The course also more maintainable acceptance testing the transfer of the tra	the test systems will be egathe information provide a the information provide a test such as resource manner management and the system of the	management in the state of the	re and literature surveys. aracterization of rocess communication, in distributed systems ECTS 8
Course Name Software Quality and Testing Course Objectives: Course Contents: Course Name Smart Multimedia Systems Course Objectives: Course Contents:	With in that co ntext, by application, students at This course covers open distributed systems and synchronization, process and cloud computing at Code CE 485 The students who will technologies 2. Gain at analysis strategies can contribute quality important tools and pipelines, are significant subsystem Code CE 487 This course aims to in software modules improvered. Smart TV systems: he	pasic and detailed re expected to pre- grating system cod system transparation of the pre- grating system cod system transparation of the pre- grating system cod system transparation of the processor marked discussed. Semester Fall take this course adeeper understare acted a given typerovements to an offtware quality issued and undertake undertaken unde	l information on establishing distrituduce typical examples by utilising neepts that provide a single system rencies are given. Basic design issumagement, consistency control, mer T+A+L (hour/week) 03+00+00 will: 1. Understand the need for quading of version-control systems are period of software bug 4. Set up and us existing project uses and the key concepts of software laso more maintainable. The course also more maintainable. The course also more maintainable acceptance testion T+A+L (hour/week) 03+00+00 e and software architectures in next television systems. Software layout ware architectures; next-generation	Type (C / O) Elective Tale testing. Students will discuss different ps are required to comping. Type (C / O) Elective	management in the state of the correction of the	re and literature surveys. aracterization of rocess communication, in distributed systems ECTS 8
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Course Name Software Quality and Testing Course Objectives: Course Contents: Course Name Smart Multimedia Systems Course Objectives: Course Contents: Course Name IT Security	With in that co ntext, be application, students a This course covers oped distributed systems an synchronization, process and cloud computing a Code CE 485 The students who will technologies 2. Gain a analysis strategies can contribute quality important the course covers so produce better quality tools and pipelines, ar significant subsystem Code CE 487 This course aims to in software modules improvered. Smart TV systems; has connected application Code	pasic and detailed re expected to pre retaing system cod system transparents from the system transparent discussed. Semester Fall	l information on establishing distrituduce typical examples by utilising neepts that provide a single system rencies are given. Basic design issuragement, consistency control, mer agement, consistency control, mer agement, consistency control, mer agement, consistency control, mer agement, consistency control, mer age of software bug 4. Set up and us age of software bug 4. Set up and us existing project ages and the key concepts of software also more maintainable. The course also more maintainable. The course also more maintainable acceptance testing tripical tripical and acceptance testing tripical and software architectures in next and software architectures in next are television systems. Software layout a software architectures; next-generation and udio and video technologies. T+A+L (hour/week)	the part of the state of the st	management in the state of the	re and literature surveys. aracterization of rocess communication, in distributed systems ECTS
Course Name Software Quality and Testing Course Objectives: Course Contents: Course Name Smart Multimedia Systems Course Objectives: Course Contents: Course Name IT Security Course Objectives:	With in that co ntext, be application, students a This course covers oped distributed systems an synchronization, process and cloud computing a Code CE 485 The students who will technologies 2. Gain a analysis strategies can contribute quality important the course covers so produce better quality tools and pipelines, ar significant subsystem Code CE 487 This course aims to in software modules improvered. Smart TV systems; has connected application Code	pasic and detailed re expected to pre retaing system cod system transparents from the system transparent discussed. Semester Fall	l information on establishing distrituduce typical examples by utilising neepts that provide a single system rencies are given. Basic design issuragement, consistency control, mer agement, consistency control, mer agement, consistency control, mer agement, consistency control, mer agement, consistency control, mer age of software bug 4. Set up and us age of software bug 4. Set up and us existing project ages and the key concepts of software also more maintainable. The course also more maintainable. The course also more maintainable acceptance testing tripical tripical and acceptance testing tripical and software architectures in next and software architectures in next are television systems. Software layout a software architectures; next-generation and udio and video technologies. T+A+L (hour/week)	Type (C / O) Elective Tale testing. Students will discuss different ps are required to comping. Type (C / O) Elective	management in the state of the correction of the	re and literature surveys. aracterization of rocess communication, in distributed systems ECTS 8



Course Objectives:	This course provides new and emergent topics in computer engineering field. We uses this course name as a template to give a new and special topics cours.
Course Contents:	The content can change according to special topic.



