URV Engineering School (ETSE) - Course 2024-25 -

Subjects taught in English (Bachelor Degrees)

General information for incoming mobility students is available here.

The tables in this document show, from left to right, the name of the course, the semester in which it is taught (*Fall*- September to January, *Spring*-February to June), the number of ECTS and the code of the course. Each study has a link to a web page with extensive information about it, including the Program of Studies and the Teaching Guide, which contains detailed information about each course.

Mathematical and Physics Engineering – GEMiF

COMBINATORICS AND PROBABILITY	Fall	6	17274102
CLASSICAL MECHANICS	Fall	6	17274106
THERMODYNAMICS	Spring	6	17274112
QUANTUM PHYSICS	Spring	6	17274108
STATISTICAL MECHANICS	Fall	6	17274116
ALGEBRAIC STRUCTURES	Spring	6	17274118

Electronic and Automation Engineering-GEEIIA

TECHNICAL ENGLISH	Spring	6	17204102
EMBEDDED SYSTEMS	Spring	3	17204206

Electrical Engineering-GEE

TECHNICAL ENGLISH	Spring	6	17214102
ENVIRONMENTAL TECHNOLOGIES	Spring	3	17214112

Computer Engineering – GEI

TECHNICAL ENGLISH	Spring	6	17234102
MOBILE AND EMBEDDED APPLICATIONS	Fall	6	17234125

Techniques for Developing Web and Mobile Applications – GTDAWIM

No courses taught in English.

Biomedical Engineering-GEB

OMICS TECHNOLOGY AND DATA HANDLING	Fall	4.5	17254112
BIOMEDICAL IMAGE PROCESSING	Spring	4.5	17254119
COMPUTATIONAL BIOLOGY AND ANALYSIS OF BIOMEDICAL DATA	Spring	4.5	17254115
BIOMATERIALS ENGINEERING AND TISSUE	Spring	3	17254116
REGENERATION I			
BIOMECHANICS II	Fall	4.5	17254123
MANAGEMENT OF HEALTH INFRASTRUCTURES	Fall	6	17254124
INNOVATION AND ENTREPRENEURSHIP	Spring	4.5	17254128
NANOTECHNOLOGIES APPLIED TO	Spring	3	17254208
BIOMEDICINE			
BIOCHEMISTRY	Spring	6	17254011

Telecommunication Systems and Services Engineering-GESST

TECHNICAL ENGLISH	Spring	6	17244102
INNOVATION AND ENTREPRENEURSHIP	Spring	6	17244131
EMBEDDED SYSTEMS	Spring	3	17244212

Courses common to all bachelor degrees

BACHELOR'S THESIS (12 ECTS)

Master studies

Bachelor students may also take Master-level courses to complete their Learning Agreements with subjects that are more specialized (although they should be aware that the academic level is higher). The following Master degrees are presential and are offered fully in English:

- Master on Computer Engineering Security and Artificial Intelligence
- URV-UB-UPC Interuniversity Master on Artificial Intelligence (important: Erasmus students can only take the URV courses, not the UB or UPC courses).

URV Engineering School (ETSE) – Course 2024-25

<u>Subjects taught in Catalan/Spanish in which the lecturers provide</u> personalized tutoring services in English (course material, personalized learning support, exercises, exams, etc.)

Note: ERASMUS students should check the availability of the English tutoring service in the subjects in which they are interested before starting the mobility process, by sending a message to the <u>mobility coordinator</u> of the degree.

Mathematical and Physics Engineering-GEMiF

Fall	7.5	17274001
Fall	7.5	17274002
Fall	9	17274003
Spring	7.5	17274005
Spring	6	17274006
Spring	9	17274007
Spring	7.5	17274008
Fall	6	17274104
Fall	6	17274103
Spring	6	17274105
Spring	6	17274107
Spring	6	17274111
Spring	6	17274109
Fall	6	17274113
Fall	6	17274101
Fall	6	17274114
Fall	6	17274115
Spring	6	17274110
Spring	6	17274117
Fall	6	17274121
Fall	6	17274120
	Fall Fall Spring Spring Spring Fall Fall Spring Spring Spring Spring Fall Fall Fall Fall Fall Fall Fall Fal	Fall7.5Fall9Spring7.5Spring6Spring9Spring7.5Fall6Fall6Spring6Spring6Spring6Spring6Spring6Fall6Fall6Fall6Fall6Fall6Fall6Fall6Fall6Spring6Spring6Spring6Fall6Fall6Fall6Spring6Fall6

GEMiF also includes, as optional courses, some subjects from other studies such as GEI or GEEIiA. Please check with the GEMIF mobility coordinator the availability of these optional courses.

Electronic and Automation Engineering-GEEIIA

CHEMICAL FUNDAMENTALS OF ENGINEERING	Fall	6	17204010
CIRCUIT THEORY I / CIRCUIT THEORY II	Fall /	6/5	17204105 /
	Spring	0/5	172041057
STATISTICS AND TRANSFORMED METHODS	Fall	c	17204108
STATISTICS AND TRANSFORMED METHODS	Fall	<u> </u>	
THERMODYNAMICS AND HYDRAULICS		<u> </u>	17204117
FUNDAMENTALS OF ELECTRICAL INSTALLATIONS	Spring	5	17204116
FUNDAMENTALS OF ELECTRICAL MACHINES	Spring	5	17204115
FUNDAMENTALS OF ELECTRONICS	Spring	5	17204107
MACHINES AND MECHANISMS	Spring	5	17204121
SCIENCE AND RESISTANCE OF MATERIALS	Spring	5	17204122
ANALOGUE ELECTRONICS	Fall	6	17204109
DIGITAL ELECTRONICS	Fall	6	17204108
INDUSTRIAL COMPUTER SCIENCE I	Fall / Fall	6/6	17204119 /
/INDUSTRIAL COMPUTER SCIENCE II			17204120
POWER ELECTRONICS	Fall	6	17204110
AUTOMATIC CONTROL	Spring	6	17204123
ELECTRONIC EQUIPMENT	Spring	6	17204112
INSTRUMENTATION	Spring	6	17204113
MICROCONTROLLERS	Spring	6	17204111
AUTOMATION	Fall	6	17204103
ELECTRONIC POWER SYSTEMS	Fall	6	17204114
SYSTEMS MODELLING AND PROCESS	Fall	6	17204124
CONTROL			
FINAL PROJECT	Spring	3	17204126
INDUSTRIAL ORGANISATION	Spring	6	17204118
ROBOTIZED SYSTEMS	Spring	6	17204104
AUDITING OCCUPATIONAL RISK	Fall	3	17204214
PREVENTION			
CONTROL OF ELECTRICAL MACHINES	Fall	6	17204231
OPTOELECTRONIC MECHANISMS AND	Fall	3	17204258
SYSTEMS			
AUTOMATION PERIPHERALS	Spring	3	17204260
INTRODUCTION TO MOBILE ROBOTS	Spring	3	17204210
MANAGING THE POWER OF ELECTRIC VEHICLES	Spring	3	17204208
PROJECT MANAGEMENT	Spring	3	17204212
RENEWABLE ENERGIES	Spring	6	17204223

Electrical Engineering-GEE

		1	
CHEMICAL FUNDAMENTALS OF ENGINEERING	Fall	6	17214010
CIRCUIT THEORY I / CIRCUIT THEORY II	Fall / Spring	6/5	17214105 /
			17214106
STATISTICS AND TRANSFORMED METHODS	Fall	6	17214009
THERMODYNAMICS AND HYDRAULICS	Fall	6	17214117
FUNDAMENTALS OF ELECTRICAL MACHINES	Spring	5	17214115
FUNDAMENTALS OF ELECTRONICS	Spring	5	17214107
SCIENCE AND RESISTANCE OF MATERIALS	Spring	5	17214122
ELECTRICAL MACHINES	Fall	6	17214120
POWER ELECTRONICS	Fall	6	17214110
DESIGN OF ELECTRICAL MACHINES	Spring	6	17214123
FUNDAMENTALS OF AUTOMATIC CONTROL	Spring	6	17214104
RENEWABLE ENERGIES	Spring	6	17214109
AUTOMATION	Fall	6	17214103
CONTROL OF ELECTRICAL MACHINES	Fall	6	17214124
LIGHTING ENGINEERING	Fall	3	17214113
INDUSTRIAL ORGANISATION	Spring	6	17214118
POWER STATIONS	Fall	6	17214108
ELECTRICAL POWER SYSTEMS	Spring	6	17214114
TRANSPORT OF ELECTRICAL ENERGY	Fall	6	17214127

<u> Computer Engineering – GEI</u>

PROGRAMMING	Fall	6	17234114
DISCRETE MATHEMATICS II	Spring	6	17234010
COMPUTER STRUCTURE	Spring	6	17234108
ANALYSIS AND DESIGN OF APPLICATIONS	Spring	6	17234105
COMPUTER ARCHITECTURE	Fall	6	17234109
FORMAL LANGUAGES	Spring	6	17234110
ARTIFICIAL INTELLIGENCE	Spring	6	17234134
COMPILERS	Fall	6	17234127
REAL-TIME SYSTEMS	Fall	6	17234124
COMPUTERIZED VISION	Spring	6	17234130
ELECTRONIC COMMERCE SYSTEMS	Spring	6	17234121
INFORMATION SYSTEMS IN ORGANIZATIONS	Fall	6	17234122
NETWORK SECURITY	Spring	6	17234120
DATA NETWORKS	Fall	6	17234118
STATISTICS	Fall	6	17234011
DISTRIBUTED SYSTEMS	Spring	6	17234106
ADVANCED PROGRAMMING TECHNIQUES	Fall	6	17234117
MOBILE APPLICATIONS AND SERVICES	Spring	6	17234267
ADVANCED PROGRAMMING OF MOBILE DEVICES	Fall	6	17234268

Techniques for Developing Web and Mobile Applications – GTDAWIM

ADVANCED PROGRAMMING TECHNIQUES	Fall	6	17264117
ADVANCED PROGRAMMING OF MOBILE DEVICES	Fall	6	17264138
ADVANCED DEVELOPMENT OF WEB APPLICATIONS	Fall	6	17264121

Biomedical Engineering-GEB

FUNDAMENTALS OF COMMUNICATION I / FUNDAMENTALS OF COMMUNICATION IIFall / Spring6 / 617254015 / 17254106ANALYSIS OF LINEAR CIRCUITS AND SYSTEMSFall617254014DATA ANALYSIS OF LINEAR CIRCUITS AND SYSTEMSFall617254014DATA ANALYSIS AND BIOSTATISTICSFall617254010BIOFLUID MECHANICSFall617254010PHYSIOLOGYSpring7.517254107ANALOGUE ELECTRONICSSpring4.517254109BIOPHYSICSSpring617254012DIGITAL ELECTRONICSFall617254113DATA NETWORKS AND INTERNETFall617254114PHYSIOPATHOLOGYFall4.517254111ADVANCED MEDICAL PHYSICSFall317254110SENSORS AND INSTRUMENTS FOR BIOMEDICINESpring317254117BIOMECHANICS ISpring4.517254120BIOMATERIALS ENGINEERING AND TISSUEFall317254121BIOMATERIALS ENGINEERING AND TISSUEFall317254122REGENERATION IISpring4.517254126SENSORS AND MOBILE TECHNOLOGIESFall317254126MEDICAL ROBOTICSFall4.517254126TELEMEDICINESpring4.517254126SENSORS AND MOBILE TECHNOLOGIESFall4.517254126MEDICAL ROBOTICSFall4.517254126TELEMEDICINESpring4.517254126CULPMENT FOR MONITORING, DIAGNOSIS ANDSpr	PROGRAMMING	Fall	6	17254013
ANALYSIS OF LINEAR CIRCUITS AND SYSTEMSFall617254014DATA ANALYSIS AND BIOSTATISTICSFall617254105BIOFLUID MECHANICSFall617254010PHYSIOLOGYSpring7.517254107ANALOGUE ELECTRONICSSpring4.517254109BIOPHYSICSSpring617254012DIGITAL ELECTRONICSSpring617254012DIGITAL ELECTRONICSFall617254108DIGITAL TREATMENT OF BIOSIGNALSFall617254113DATA NETWORKS AND INTERNETFall617254114PHYSIOPATHOLOGYFall4.517254110SENSORS AND INSTRUMENTS FOR BIOMEDICINESpring317254110SENSORS AND INSTRUMENTS FOR BIOMEDICINESpring317254120BIOMECHANICS ISpring317254121AND SMART CITIESSpring617254121BIG DATA INFRASTRUCTURESSpring617254122REGENERATION IISENSORS AND MOBILE TECHNOLOGIESFall317254122MEDICAL ROBOTICSFall4.517254125LABORATORY FOR BIOENGINEERINGFall4.517254126TELEMEDICINESpring4.517254126EQUIPMENT FOR MONITORING, DIAGNOSIS ANDSpring317254127THERAPYSpring317254127	FUNDAMENTALS OF COMMUNICATION I /	Fall / Spring	6/6	17254015 /
DATA ANALYSIS AND BIOSTATISTICSFall617254105BIOFLUID MECHANICSFall617254010PHYSIOLOGYSpring7.517254107ANALOGUE ELECTRONICSSpring4.517254109BIOPHYSICSSpring617254012DIGITAL ELECTRONICSFall617254108DIGITAL ELECTRONICSFall617254113DATA NETWORKS AND INTERNETFall617254114PHYSIOPATHOLOGYFall4.517254111ADVANCED MEDICAL PHYSICSFall317254110SENSORS AND INSTRUMENTS FOR BIOMEDICINESpring317254120BIOMECHANICS ISpring317254117TECHNOLOGIES FOR SENSOR NETWORKS, THE IOT AND SMART CITIESSpring617254118BIOMATERIALS ENGINEERING AND TISSUE REGENERATION IIFall317254122SENSORS AND MOBILE TECHNOLOGIES LABORATORY FOR BIOENGINEERINGFall317254125MEDICAL ROBOTICSFall4.517254126TELEMEDICINESpring4.517254128EQUIPMENT FOR MONITORING, DIAGNOSIS AND THERAPYSpring317254127	FUNDAMENTALS OF COMMUNICATION II			17254106
BIOFLUID MECHANICSFall61725400PHYSIOLOGYSpring7.517254107ANALOGUE ELECTRONICSSpring4.517254109BIOPHYSICSSpring617254012DIGITAL ELECTRONICSFall617254012DIGITAL ELECTRONICSFall617254108DIGITAL ELECTRONICSFall617254113DATA NETWORKS AND INTERNETFall617254114PHYSIOPATHOLOGYFall4.517254111ADVANCED MEDICAL PHYSICSFall317254110SENSORS AND INSTRUMENTS FOR BIOMEDICINESpring317254120BIOMECHANICS ISpring317254121AND SMART CITIESSpring617254121BIG DATA INFRASTRUCTURESSpring617254122REGENERATION IISENSORS AND MOBILE TECHNOLOGIESFall317254122MEDICAL ROBOTICSFall4.517254125LABORATORY FOR BIOENGINEERINGFall4.517254126TELEMEDICINESpring4.517254126TELEMEDICINESpring4.517254126TELEMEDICINESpring4.517254127HERAPYSpring317254127	ANALYSIS OF LINEAR CIRCUITS AND SYSTEMS	Fall	6	17254014
PHYSIOLOGYSpring7.517254107ANALOGUE ELECTRONICSSpring4.517254109BIOPHYSICSSpring617254012DIGITAL ELECTRONICSFall617254108DIGITAL ELECTRONICSFall617254113DATA NETWORKS AND INTERNETFall617254114PHYSIOPATHOLOGYFall4.517254114ADVANCED MEDICAL PHYSICSFall317254110SENSORS AND INSTRUMENTS FOR BIOMEDICINESpring317254120BIOMECHANICS ISpring317254120BIOMATERIALS ENGINEERING AND TISSUEFall317254121AND SMART CITIESSpring617254118BIOMATERIALS ENGINEERING AND TISSUEFall317254122REGENERATION IISensors AND MOBILE TECHNOLOGIESFall317254125LABORATORY FOR BIOENGINEERINGFall4.517254126TELEMEDICINESpring4.517254126EQUIPMENT FOR MONITORING, DIAGNOSIS ANDSpring317254127THERAPYSpring317254127	DATA ANALYSIS AND BIOSTATISTICS	Fall	6	17254105
ANALOGUE ELECTRONICS Spring 4.5 17254109 BIOPHYSICS Spring 6 17254012 DIGITAL ELECTRONICS Fall 6 17254108 DIGITAL ELECTRONICS Fall 6 17254113 DATA NETWORKS AND INTERNET Fall 6 17254114 PHYSIOPATHOLOGY Fall 4.5 17254114 ADVANCED MEDICAL PHYSICS Fall 3 17254110 SENSORS AND INSTRUMENTS FOR BIOMEDICINE Spring 4.5 17254120 BIOMECHANICS I Spring 3 17254117 TECHNOLOGIES FOR SENSOR NETWORKS, THE IOT Spring 6 17254118 BIOMATERIALS ENGINEERING AND TISSUE Fall 3 17254120 BIOMATERIALS ENGINEERING AND TISSUE Fall 3 17254120 EQUIPMENT FOR BIONEDICS Fall 3 17254120 EQUIPMENT FOR MONITORING, DIAGNOSIS AND Spring 4.5 17254129 EQUIPMENT FOR MONITORING, DIAGNOSIS AND Spring 3 17254127 THERAPY	BIOFLUID MECHANICS	Fall	6	17254010
BIOPHYSICSSpring617254012DIGITAL ELECTRONICSFall617254108DIGITAL TREATMENT OF BIOSIGNALSFall617254113DATA NETWORKS AND INTERNETFall617254114PHYSIOPATHOLOGYFall4.517254111ADVANCED MEDICAL PHYSICSFall317254110SENSORS AND INSTRUMENTS FOR BIOMEDICINESpring4.517254120BIOMECHANICS ISpring317254117TECHNOLOGIES FOR SENSOR NETWORKS, THE IOT AND SMART CITIESSpring617254121BIOMATERIALS ENGINEERING AND TISSUE REGENERATION IIFall317254122SENSORS AND MOBILE TECHNOLOGIES LABORATORY FOR BIOENGINEERINGFall317254125MEDICAL ROBOTICSFall4.517254126TELEMEDICINE EQUIPMENT FOR MONITORING, DIAGNOSIS AND THERAPYSpring317254127	PHYSIOLOGY	Spring	7.5	17254107
DIGITAL ELECTRONICSFall617254108DIGITAL TREATMENT OF BIOSIGNALSFall617254113DATA NETWORKS AND INTERNETFall617254114PHYSIOPATHOLOGYFall4.517254111ADVANCED MEDICAL PHYSICSFall317254110SENSORS AND INSTRUMENTS FOR BIOMEDICINESpring4.517254120BIOMECHANICS ISpring317254117TECHNOLOGIES FOR SENSOR NETWORKS, THE IOT AND SMART CITIESSpring617254121BIG DATA INFRASTRUCTURESSpring617254118BIOMATERIALS ENGINEERING AND TISSUE REGENERATION IIFall317254122SENSORS AND MOBILE TECHNOLOGIES LABORATORY FOR BIOENGINEERINGFall317254125MEDICAL ROBOTICSFall4.517254126TELEMEDICINESpring4.517254126EQUIPMENT FOR MONITORING, DIAGNOSIS AND THERAPYSpring317254127	ANALOGUE ELECTRONICS	Spring	4.5	17254109
DIGITAL TREATMENT OF BIOSIGNALSFall617254113DATA NETWORKS AND INTERNETFall617254114PHYSIOPATHOLOGYFall4.517254111ADVANCED MEDICAL PHYSICSFall317254110SENSORS AND INSTRUMENTS FOR BIOMEDICINESpring4.517254120BIOMECHANICS ISpring317254117TECHNOLOGIES FOR SENSOR NETWORKS, THE IOT AND SMART CITIESSpring617254121BIG DATA INFRASTRUCTURESSpring617254122BIOMATERIALS ENGINEERING AND TISSUE REGENERATION IIFall317254122SENSORS AND MOBILE TECHNOLOGIES LABORATORY FOR BIOENGINEERINGFall317254125MEDICAL ROBOTICSFall4.517254126TELEMEDICINESpring4.517254126EQUIPMENT FOR MONITORING, DIAGNOSIS AND THERAPYSpring317254127	BIOPHYSICS	Spring	6	17254012
DATA NETWORKS AND INTERNETFall617254114PHYSIOPATHOLOGYFall4.517254111ADVANCED MEDICAL PHYSICSFall317254110SENSORS AND INSTRUMENTS FOR BIOMEDICINESpring4.517254120BIOMECHANICS ISpring317254117TECHNOLOGIES FOR SENSOR NETWORKS, THE IOT AND SMART CITIESSpring4.517254121BIG DATA INFRASTRUCTURESSpring617254118BIOMATERIALS ENGINEERING AND TISSUE REGENERATION IIFall317254122SENSORS AND MOBILE TECHNOLOGIES LABORATORY FOR BIOENGINEERINGFall317254125MEDICAL ROBOTICSFall4.517254126TELEMEDICINESpring4.517254129EQUIPMENT FOR MONITORING, DIAGNOSIS AND THERAPYSpring317254127	DIGITAL ELECTRONICS	Fall	6	17254108
PHYSIOPATHOLOGYFall4.517254111ADVANCED MEDICAL PHYSICSFall317254110SENSORS AND INSTRUMENTS FOR BIOMEDICINESpring4.517254120BIOMECHANICS ISpring317254117TECHNOLOGIES FOR SENSOR NETWORKS, THE IOT AND SMART CITIESSpring4.517254121BIG DATA INFRASTRUCTURESSpring617254118BIOMATERIALS ENGINEERING AND TISSUE REGENERATION IIFall317254122SENSORS AND MOBILE TECHNOLOGIES LABORATORY FOR BIOENGINEERINGFall317254125MEDICAL ROBOTICSFall4.517254126TELEMEDICINESpring4.517254129EQUIPMENT FOR MONITORING, DIAGNOSIS AND THERAPYSpring317254127	DIGITAL TREATMENT OF BIOSIGNALS	Fall	6	17254113
ADVANCED MEDICAL PHYSICSFall317254110SENSORS AND INSTRUMENTS FOR BIOMEDICINESpring4.517254120BIOMECHANICS ISpring317254117TECHNOLOGIES FOR SENSOR NETWORKS, THE IOT AND SMART CITIESSpring4.517254121BIG DATA INFRASTRUCTURESSpring617254118BIOMATERIALS ENGINEERING AND TISSUE REGENERATION IIFall317254122SENSORS AND MOBILE TECHNOLOGIES LABORATORY FOR BIOENGINEERINGFall317254125MEDICAL ROBOTICSFall4.517254126TELEMEDICINESpring4.517254129EQUIPMENT FOR MONITORING, DIAGNOSIS AND THERAPYSpring317254127	DATA NETWORKS AND INTERNET	Fall	6	17254114
SENSORS AND INSTRUMENTS FOR BIOMEDICINESpring4.517254120BIOMECHANICS ISpring317254117TECHNOLOGIES FOR SENSOR NETWORKS, THE IOT AND SMART CITIESSpring4.517254121BIG DATA INFRASTRUCTURESSpring617254118BIOMATERIALS ENGINEERING AND TISSUE REGENERATION IIFall317254122SENSORS AND MOBILE TECHNOLOGIES LABORATORY FOR BIOENGINEERINGFall317254125MEDICAL ROBOTICSFall4.517254126TELEMEDICINESpring4.517254129EQUIPMENT FOR MONITORING, DIAGNOSIS AND THERAPYSpring317254127	PHYSIOPATHOLOGY	Fall	4.5	17254111
BIOMECHANICS ISpring317254117BIOMECHANICS ISpring317254117TECHNOLOGIES FOR SENSOR NETWORKS, THE IOT AND SMART CITIESSpring4.517254121BIG DATA INFRASTRUCTURESSpring617254118BIOMATERIALS ENGINEERING AND TISSUE REGENERATION IIFall317254122SENSORS AND MOBILE TECHNOLOGIES LABORATORY FOR BIOENGINEERINGFall317254125MEDICAL ROBOTICSFall4.517254126TELEMEDICINESpring4.517254129EQUIPMENT FOR MONITORING, DIAGNOSIS AND THERAPYSpring317254127	ADVANCED MEDICAL PHYSICS	Fall	3	17254110
TECHNOLOGIES FOR SENSOR NETWORKS, THE IOT AND SMART CITIESSpring4.517254121BIG DATA INFRASTRUCTURESSpring617254118BIOMATERIALS ENGINEERING AND TISSUE REGENERATION IIFall317254122SENSORS AND MOBILE TECHNOLOGIES LABORATORY FOR BIOENGINEERINGFall317254125MEDICAL ROBOTICSFall4.517254126TELEMEDICINESpring4.517254126EQUIPMENT FOR MONITORING, DIAGNOSIS AND THERAPYSpring317254127	SENSORS AND INSTRUMENTS FOR BIOMEDICINE	Spring	4.5	17254120
AND SMART CITIESSpring617254118BIG DATA INFRASTRUCTURESSpring617254122BIOMATERIALS ENGINEERING AND TISSUEFall317254122REGENERATION IIFall317254125SENSORS AND MOBILE TECHNOLOGIESFall317254125LABORATORY FOR BIOENGINEERINGFall4.517254126MEDICAL ROBOTICSFall4.517254126TELEMEDICINESpring4.517254129EQUIPMENT FOR MONITORING, DIAGNOSIS AND THERAPYSpring317254127	BIOMECHANICS I	Spring	3	17254117
BIG DATA INFRASTRUCTURESSpring617254118BIOMATERIALS ENGINEERING AND TISSUE REGENERATION IIFall317254122SENSORS AND MOBILE TECHNOLOGIES LABORATORY FOR BIOENGINEERINGFall317254125MEDICAL ROBOTICSFall4.517254126TELEMEDICINESpring4.517254129EQUIPMENT FOR MONITORING, DIAGNOSIS AND THERAPYSpring317254127	TECHNOLOGIES FOR SENSOR NETWORKS, THE IOT	Spring	4.5	17254121
BIOMATERIALS ENGINEERING AND TISSUE REGENERATION IIFall317254122SENSORS AND MOBILE TECHNOLOGIES LABORATORY FOR BIOENGINEERINGFall317254125MEDICAL ROBOTICSFall4.517254126TELEMEDICINESpring4.517254129EQUIPMENT FOR MONITORING, DIAGNOSIS AND THERAPYSpring317254127	AND SMART CITIES			
REGENERATION IIImage: Constraint of the second	BIG DATA INFRASTRUCTURES	Spring	6	17254118
SENSORS AND MOBILE TECHNOLOGIES LABORATORY FOR BIOENGINEERINGFall317254125MEDICAL ROBOTICSFall4.517254126TELEMEDICINESpring4.517254129EQUIPMENT FOR MONITORING, DIAGNOSIS AND THERAPYSpring317254127	BIOMATERIALS ENGINEERING AND TISSUE	Fall	3	17254122
LABORATORY FOR BIOENGINEERINGImage: colored bioency for bioency f	REGENERATION II			
MEDICAL ROBOTICSFall4.517254126TELEMEDICINESpring4.517254129EQUIPMENT FOR MONITORING, DIAGNOSIS AND THERAPYSpring317254127	SENSORS AND MOBILE TECHNOLOGIES	Fall	3	17254125
TELEMEDICINESpring4.517254129EQUIPMENT FOR MONITORING, DIAGNOSIS AND THERAPYSpring317254127	LABORATORY FOR BIOENGINEERING			
EQUIPMENT FOR MONITORING, DIAGNOSIS AND Spring 3 17254127 THERAPY	MEDICAL ROBOTICS	Fall	4.5	17254126
THERAPY	TELEMEDICINE	Spring	4.5	17254129
	EQUIPMENT FOR MONITORING, DIAGNOSIS AND	Spring	3	17254127
SMART HEALTH Spring 3 17254209	THERAPY			
	SMART HEALTH	Spring	3	17254209

PROGRAMMING	Fall	6	17244010
ANALYSIS OF CIRCUITS AND LINEAR SYSTEMS	Fall	6	17244009
FUNDAMENTALS OF COMMUNICATION I /	Fall / Spring	6/6	17244103 /
FUNDAMENTALS OF COMMUNICATION II			17244108
DIGITAL ELECTRONICS	Fall	6	17244105
DATA NETWORKS AND THE INTERNET	Fall	6	17244104
INFRASTRUCTURES FOR BIG DATA	Spring	6	17244106
ANALOGUE ELECTRONICS	Spring	5	17244107
WAVE TRANSMISSION AND PROPAGATION	Spring	5	17244110
RADIO-FREQUENCY ENGINEERING	Spring	5	17244111
TELECOMMUNICATIONS LABORATORY	Spring	3	17244109
DIGITAL SIGNAL PROCESSING	Fall	6	17244113
DIGITAL COMMUNICATIONS	Fall	6	17244112
EMITTERS AND RECEIVERS	Fall	6	17244116
ANTENNAS AND RADIOPROPAGATION	Fall	6	17244119
MICROCONTROLLERS AND EMBEDDED SYSTEMS	Fall	6	17244117
TECHNOLOGIES FOR SENSOR NETWORKS, THE	Spring	4.5	17244121
INTERNET OF THINGS AND SMART CITIES			
TELEPHONY AND MOBILE COMMUNICATIONS	Spring	6	17244120
SENSORS AND INSTRUMENTATION	Spring	4.5	17244118
TELECOMMUNICATION PROJECTS	Fall	6	17244128
BROADBAND AND OPTICAL COMMUNICATIONS	Fall	6	17244134
MOBILE SENSORS AND TECHNOLOGIES	Fall	3	17244132
LABORATORY			
INDUSTRIAL TELECOMMUNICATIONS AND	Spring	3	17244135
ELECTROMAGNETIC COMPATIBILITY			
TELEMEDICINE	Spring	3	17244219
NETWORK MANAGEMENT	Spring	6	17244136
MOBILE APPLICATIONS AND SERVICES	Fall	3	17244228
LABORATORY			
ADVANCED PROGRAMMING OF MOBILE DEVICES	Fall	6	17244138
ENERGY MANAGEMENT IN	Fall	3	17244129
TELECOMMUNICATION SYSTEMS			
NETWORK DESIGN / NETWORK SECURITY	Fall / Spring	6/6	17244130 /
			17244123
DISTRIBUTED TELEMATIC SYSTEMS	Spring	6	17244223
NETWORK APPLICATION ARCHITECTURES	Fall	6	17244213
NETWORK MODELLING	Fall	6	17244124
WEBSITE ENGINEERING	Fall	6	17244125
MOBILE APPLICATIONS AND SERVICES	Spring	6	17244115
MULTIMEDIA SERVICES	Spring	6	17244114