

URV Engineering School (ETSE) – Course 2019-20 –

Subjects offered in English

Electronic and Automation Engineering-GEEliA

TECHNICAL ENGLISH

ENGINEERING HISTORY

EMBEDDED SYSTEMS

Electrical Engineering-GEE

TECHNICAL ENGLISH

ENGINEERING HISTORY

Computer Engineering – GEI

PROGRAMMING

TECHNICAL ENGLISH

ENGINEERING HISTORY

MOBILE AND EMBEDDED APPLICATIONS

Biomedical Engineering-GEB

PROGRAMMING

OMICS TECHNOLOGY AND DATA TREATMENT

PROCESSING OF BIOMEDICAL IMAGES

COMPUTATIONAL AND BIODATA ANALYTICS

BIOMATERIALS ENGINEERING AND TISSUE REGENERATION I

BIOMECHANICS II (to be offered from 2020-21)

INFRASTRUCTURE MANAGEMENT FOR HEALTH (to be offered from 2020-21)

INNOVATION AND ENTREPRENEURSHIP (to be offered from 2020-21)

ELECTIVE COURSES (to be defined and offered from 2020-21)

Telecommunication Systems and Services Engineering-GESST

TECHNICAL ENGLISH

PROGRAMMING

INNOVATION AND ENTREPRENEURSHIP

EMBEDDED SYSTEMS

ENGINEERING HISTORY

URV Engineering School (ETSE) – Course 2019-20

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

Note: ERASMUS students are advised to 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 mobility coordinator of the degree.

Courses common to all bachelor degrees

BACHELOR'S THESIS

Electronic and Automation Engineering-GEEliA

CHEMICAL FUNDAMENTALS OF ENGINEERING

CIRCUIT THEORY I / CIRCUIT THEORY II

STATISTICS AND TRANSFORMED METHODS

THERMODYNAMICS AND HYDRAULICS

FUNDAMENTALS OF ELECTRICAL INSTALLATIONS

FUNDAMENTALS OF ELECTRICAL MACHINES

FUNDAMENTALS OF ELECTRONICS

MACHINES AND MECHANISMS

SCIENCE AND RESISTANCE OF MATERIALS

ANALOGUE ELECTRONICS

DIGITAL ELECTRONICS

INDUSTRIAL COMPUTER SCIENCE I /INDUSTRIAL COMPUTER SCIENCE II

POWER ELECTRONICS

AUTOMATIC CONTROL

ELECTRONIC EQUIPMENT

INSTRUMENTATION

MICROCONTROLLERS

AUTOMATION

ELECTRONIC POWER SYSTEMS

SYSTEMS MODELLING AND PROCESS CONTROL

FINAL PROJECT

INDUSTRIAL ORGANISATION

ROBOTIZED SYSTEMS

AUDITING OCCUPATIONAL RISK PREVENTION

CONTROL OF ELECTRICAL MACHINES

OPTOELECTRONIC MECHANISMS AND SYSTEMS

AUTOMATION PERIPHERALS

INTRODUCTION TO MOBILE ROBOTS

MANAGING THE POWER OF ELECTRIC VEHICLES

PROJECT MANAGEMENT

RENEWABLE ENERGIES

Electrical Engineering-GEE

CHEMICAL FUNDAMENTALS OF ENGINEERING

CIRCUIT THEORY I /CIRCUIT THEORY II

STATISTICS AND TRANSFORMED METHODS

THERMODYNAMICS AND HYDRAULICS

FUNDAMENTALS OF ELECTRICAL MACHINES

FUNDAMENTALS OF ELECTRONICS

SCIENCE AND RESISTANCE OF MATERIALS

ELECTRICAL MACHINES

POWER ELECTRONICS

DESIGN OF ELECTRICAL MACHINES

FUNDAMENTALS OF AUTOMATIC CONTROL

RENEWABLE ENERGIES

AUTOMATION

CONTROL OF ELECTRICAL MACHINES

LIGHTING ENGINEERING

ENVIRONMENTAL TECHNOLOGIES

INDUSTRIAL ORGANISATION

POWER STATIONS LABORATORY

Computer Engineering – GEI

DISCRETE MATHEMATICS II

COMPUTER STRUCTURE

ANALYSIS AND DESIGN OF APPLICATIONS

COMPUTER ARCHITECTURE

FORMAL LANGUAGES

ARTIFICIAL INTELLIGENCE

COMPILERS

REAL-TIME SYSTEMS

COMPUTERIZED VISION

ELECTRONIC COMMERCE SYSTEMS

INFORMATION SYSTEMS IN ORGANIZATIONS

Biomedical Engineering-GEB

TELECOMMUNICATION FOUNDATIONS I / TELECOMMUNICATION FOUNDATIONS II

ANALYSIS OF CIRCUITS AND LINEAR SYSTEMS

DATA ANALYSIS AND BIOSTATISTICS

BIOFLUID MECHANICS

PHYSIOLOGY

ANALOG ELECTRONICS

BIOCHEMISTRY

BIOPHYSICS

DIGITAL ELECTRONICS

DIGITAL TREATMENT OF BIOSIGNALS

DATA NETWORKS AND INTERNET

PHYSIOPATHOLOGY

ADVANCED MEDICAL PHYSICS

BIOMEDICAL SENSORS AND INSTRUMENTATION

BIOMECHANICS I

TECHNOLOGIES FOR SENSOR NETWORKS, IOT AND SC

BIG DATA INFRASTRUCTURES

BIOMATERIALS ENGINEERING AND TISSUE REGENERATION II (to be offered from 2020-21)

LABORATORY OF SENSORS AND MOBILE FOR BIOENGINEERING (to be offered from 2020-21)

MEDICAL ROBOTICS (to be offered from 2020-21)

TELEMEDICINE (to be offered from 2020-21)

EQUIPMENT FOR MONITORING, DIAGNOSIS AND THERAPY (to be offered from 2020-21)

Telecommunication Systems and Services Engineering-GESST

CIRCUIT AND LINEAR SYSTEMS ANALYSIS

COMMUNICATION FUNDAMENTALS I / COMMUNICATION FUNDAMENTALS II

DIGITAL ELECTRONICS

DATA NETWORKS AND INTERNET

INFRASTRUCTURES FOR BIG DATA

ANALOGUE ELECTRONICS

WAVE TRANSMISSION AND PROPAGATION

RADIOFREQUENCY ENGINEERING

TELECOMMUNICATIONS LABORATORY

DIGITAL SIGNAL PROCESSING

DIGITAL COMMUNICATIONS

TRANSMITERS AND RECEIVERS

ANTENNAS AND RADIOPROPAGATION

MICROCONTROLLERS AND EMBEDDED SYSTEMS

SENSOR NETWORKS, INTERNET OF THINGS AND SMART CITIES TECHNOLOGIES

TELEPHONE AND MOBILE COMMUNICATIONS

SENSORS AND INSTRUMENTATION

TELECOMMUNICATION PROJECTS

OPTICAL AND WIDEBAND COMMUNICATIONS

SENSORS AND MOBILE TECHNOLOGIES LABORATORY

INDUSTRIAL TELECOMMUNICATIONS AND ELECTROMAGNETIC COMPATIBILITY

TELEMEDICINE

NETWORK MANAGEMENT

MOBILE SERVICES AND APPLICATIONS LABORATORY

MOBILE DEVICES ADVANCED PROGRAMMING

ENERGY MANAGEMENT IN TELECOMMUNICATION SYSTEMS

NETWORK DESIGN / NETWORK SECURITY

TELEMATIC DISTRIBUTED SYSTEMS

NETWORK APPLICATIONS ARCHITECTURES

NETWORK MODELING

WEBSITE ENGINEERING

MOBILE APPLICATIONS AND SERVICES

MULTIMEDIA SERVICES