

COURSE DESCRIPTIONS

000001 IU Orientation

1,0; 0 CrHrs

This course presents information to students about IU regulations and facilities related to their fields of study.

101101 Computing Fundamentals

2,2; 3 CrHrs

Introduction to the computer concepts and components, Internet skills, hands-on use of current computer software packages (including word processing, spreadsheets, and PowerPoint), data storage devices, input/output devices, computer ethics and plagiarism.

101110 Programming I

2,2;3 CrHrs

Introduction to computer hardware, programming concepts, low & high level languages, data types, arithmetic & relational operators, directives, main function, declarations, statements, sequential & nested structured approach to problem solving, selection, looping, functions, arrays, types of errors. The course includes supervised laboratory classes.

Prerequisite: 101101

101211 Programming II

2,2; 3 CrHrs

Advanced problem solving & programming concepts, recursive procedures, records, files & pointers, introduction to object-oriented programming. The course includes supervised laboratory classes.

Prerequisite: 101110

101220 File & Storage Structures

3,0; 3 CrHrs

Overview of files, blocking & buffering, secondary storage devices, sequential file organization, indexed sequential file organization, relative file organization, multiple-key file organization, and data management.

Prerequisite: 101230

101230 Data Structures and Algorithms

3,0; 3 CrHrs

Representation of fundamental data types, data structures such as arrays, stacks, queues, linked lists, trees, data abstraction, dynamic storage allocation, sorting, searching & merging of information files, algorithm analysis & design. Students are given practical design assignments during the course.

Prerequisites: 101211 & 104231

101312 Computer Organization & Assembly Programming

2,2; 3 CrHrs

General organization of a modern computer, emphasis on microprocessors, machine language, operating system services, instruction execution, addressing techniques, digital representation of data, assembly systems, macros & linkage. The course includes supervised laboratory classes.

Prerequisite: 103302 & 101110

101319 Programming Languages Theory & Practice

3,0; 3 CrHrs

Introduction to declarative programming, functional programming (higher order functions & types, lazy evaluation, abstract and recursive types, structural induction, symbolic expressions), Logic programming (operational interpretation of predicates & terms, proof search, unification, backtracking).

Prerequisite: 101211

101322 Software Specification & Design

3,0; 3 CrHrs

An examination of the basic software tools, the design and implementation of software packages, quantitative measure of the software life cycle, software cost estimation, software engineering

economics, software reliability, real time design, implementation of large software systems, programming teams and use of CASE tools.

Prerequisite: 101230

101323 Computer Graphics

2,2; 3 CrHrs

Representation, manipulation, display of two & three dimensional objects, graphics hardware & software, application to specific problems, computer games.(lectures & lab.)

Prerequisite: 104102

101324 Database Management Systems

2,2; 3 CrHrs

The main objective of this course is to provide students with the background to design, implement, and use database management systems. Topics covered in are Evolution of database management systems, Entity Relationship Modeling and Design, Relational Data Model and Relational Algebra, Structured Query Language, Transaction Processing, Concurrency Control and Recovery, Client Server and Distributed databases.

Upon successful completion of this course, students will have the skills to analyze business requirements and produce a viable model and implementation of a database to meet such requirements.

Prerequisite: 101211

101331 Introduction to Analysis & Design of Algorithms

3,0; 3 CrHrs

Mathematical induction, steps of algorithms development, algorithms design methods (sub goals, heuristics, divide & conquer, backtracking, & recursion), fundamental algorithms (sorting, searching, string processing & graph algorithms and their analysis), parallel algorithms, greedy algorithms, dynamic programming.

Prerequisite: 101230

101351 Data Communication & Networking

2,2; 3 CrHrs

Network topologies, media and cabling, NIC card, access methods, structures & architectures, ISO model, layers, protocols, communications, user interface, network layers, data link, local area networks (data communications, protocols , topology, access control, token ring, token bus, filters, repeaters, gateways, ISDN – study of ETHERNET and other networks.)

Prerequisite: 101110

101382 Web Technology

2,2; 3 CrHrs

Web architecture, static web page creation, web page interactivity (dynamic web pages, web database connectivity, mobile web technologies .Installing and using web tools such as web servers, integrated development environments, web browsers and database engines.

Prerequisites: 101110

101401 Selected Topics in Computer Science

x,y; 3 CrHrs

To be set by the department.

Prerequisite: Dept. approval

101408 Ethical Aspects of Engineering & CS

3,0; 3 CrHrs

Building on a foundation in classical ethics, we examine the impact of the computer and the Internet on our society. Topics covered include ethical decision making, professional codes, whistle blowing, computer crime, copyrights, patents and intellectual property, privacy, and risk management. Students will analyze case studies and write a research paper.

Prerequisite: Earned 70 CrHrs.

101414 Object Oriented Programming

2,2; 3 CrHrs

Object oriented approach, programming language, classes, objects and their lifetimes, met class, inheritance & aggregation, polymorphism, operator overloading, parametric polymorphism, polymorphism method.

Prerequisite: 101230

101416 Security & Cryptography

3,0; 3 CrHrs

Conventional encryption, techniques & algorithms. Public-key encryption, message authentication, digital signatures. Network security practice, system security, authentication applications.

Prerequisite: 101230

101421 Software Engineering

3,0; 3 CrHrs

Systems development life cycle of large software projects, beginning with the elicitation and definition of users' requirements, and continuing through software design, documentation, coding, testing, and maintenance. Topics include: modularity, coupling, cohesion, transformational and transactional structures, and testing strategies. Working in teams, students gain practical experience developing software to solve concrete problems

Prerequisite: 101322

101434 Coding & Information Theory

3,0;3 CrHrs

Introduces the fundamental laws governing the movement and transformation of information. Standard topics include the capacity of communications channels, communication over noisy channels, digital sampling, error-detecting and error- correcting codes, and data compression. Accompanying subject matter may include probability, entropy, and a discussion showing their relation to the transfer of information.

Prerequisite: 101230

101440 Operating Systems

2,2; 3 CrHrs

Introduction to types of operating systems, batch and interactive, fundamentals of the design and analysis of operating systems, problems related to multiprogramming, multiprocessing, resource allocation and storage management, examination of a small operating system.

Prerequisite: 101230 & 102320

101442 Systems Programming

2,2; 3 CrHrs

Design and implementation of system programs: text editors, file utilities, monitors, assemblers, relocating linking loaders, I/O handlers, schedulers, operating systems concepts.

Prerequisite: 101312

101451 Artificial Intelligence

2,2; 3 CrHrs

Concepts & methods of machine learning, linguistic & relational representation of objects, various types of learning, including adaptive, procedural & inductive, introduction to functional decision languages such as Prolog , LISP or FORTH.

Prerequisite: 101230

101461 IT/ Marketing Research

1,0; 1 CrHrs

Survey on the market to choose an IT product which is needed for the public and companies. The student will prepare marketing tools and strategies used to promote this selected product. This course has been designed to provide the students with the skills of selecting an IT business and to market the products. By the end of the course, the students are expected to be able to create their own business.

Prerequisite: Earned 70 CrHrs.

101490 Computer Software Lab

0,6; 3 CrHrs

This course presents the study and analysis of advanced Database systems (Server /client based) through an Oracle Server, allowing students to acquire the fundamental tools needed to analysis and design real Database, connect the computers through the

Database and Design Database objects (Tables, Relations objects, views...), use SQL Language, PL/SQL, SQL / Plus, design Forms with Developer 2000, and apply event programming through triggers in Developer/2000.

Prerequisite: Earned 70 CrHrs

101493 CS Seminar

1,0; 1 CrHrs

Advanced topics in computer science are distributed to students. Each student should present a topic in a seminar for his colleagues and college.

Prerequisite: Earned 75 CrHrs

101494 Senior Project I

0,0; 3 CrHrs

Introduces design methodology in computer applications. The project includes the design of a system process or component to achieve the functional objectives representative of problems encountered by practicing computer science. Both oral and written presentations on the topics are required.

Prerequisite: Earned 80 CrHrs

101495 Training

0,0; 3 CrHrs

Twelve weeks of training in the summer in governmental or non-governmental organizations or companies.

Prerequisite: Earned 60 CrHrs

102320 Computer Architecture

3,0; 3 CrHrs

Historical preview, computer system components, functions, and interconnection structures, ISA concept and design issues, memory unit and memory hierarchy, control unit function and implementation I/O systems.

Prerequisite: 101312

102401 Selected Topics in Computer Engineering

x,y; 3 CrHrs

To be set by the department.

Prerequisite: Dept. approval

102411 Embedded Systems

3,0; 3 CrHrs

Introduction to embedded systems, timing and clocks in real time embedded systems, task modeling and management in real-time operating systems, data acquisition, modeling and characterization of embedded systems, communications strategies for embedded systems, fault-tolerance, hardware, software and co-design issues. The course includes practical assignments on the design and development of embedded systems.

Prerequisite: 102320

102423 Advanced Computer Architecture

3,0; 3 CrHrs

RISC and CISC computers (Instruction execution characteristics, and Architecture, Pipelining, case studies). Super scalar processors, Parallel Organization, Systolic Arrays, Hyper cubes.

Prerequisite: 102320

102428 Digital Communications

3,0; 3 CrHrs

Historical development, carrier systems, modulation methods, modem categories, multiplexing, transmission media, transmission impairment. Coding & framing, PCM, source coding, interfacing.

Prerequisite: 101351

102490 Microcomputer Systems Design Lab

0,6; 3 CrHrs

This course provides the opportunity for students to work on the design of computer technology principles and applications involving hardware and software components.

The course includes hands-on experiments and projects such as the design and implementation of a traffic signal system, design and implementation of a digital security lock, interfacing microcomputers over serial and parallel data links and analog signal acquisition and

Prerequisite: 102411

102492 Digital Communications Lab **0,2; 1 CrHrs**

The laboratory includes experiments covering topics of Digital Communications.

Corequisite: 102428

102493 CE Seminar **1,0; 1 CrHrs**

Individual or small group study, under the supervision of an instructor, on topics of current interest which may not be available to students as course material.

Prerequisite: Earned 100 CrHrs.

102510 Computer Interfacing **3,0; 3 CrHrs**

Programmable devices (PALs , EPLDs, FPLAs) bus standards (multibus 2, IEEE 488, ISA, vesa) I/O systems , basic I/O interface chips (UART ,PIO ,PIC , DMA, controllers , PIT,...), device controller chips & interfacing techniques (floppy disk controllers, CRT controllers, keyboards controllers, printer controllers, data acquisition).

Prerequisite: 101312

102521 Microprocessor Systems Design **3,0; 3 CrHrs**

Microprocessor architecture and systems, assembly language programming of microcomputers, I/O programming, interrupts, assembly process, cross assemblers and debugging, bus architecture of a microprocessor based computer system, signals & interfacing, digital and analog interfacing, principles of operation of coprocessors.

Prerequisite: 103430 & 102320

102594 Senior Project I **0,0; 3 CrHrs**

Introduces design methodology in computer engineering through lectures and an open-ended, in-depth design project of significance in computer engineering. The project includes the design of a system process or component to achieve the functional objectives representative of problems encountered by practicing computer engineers.

Prerequisite: Earned 100 CrHrs.

102595 Training **0,0; 3 CrHrs**

Twelve weeks of training during the summer on governmental or nongovernmental organizations or companies.

Prerequisite: Earned 80 CrHrs.

102596 Senior Project II **0,0; 3 CrHrs**

Continuation or extension of Senior Project I (102594).

Prerequisite: 102594

103300 EE Fundamentals I **3,0; 3 CrHrs**

Units & dimensions, static electricity, electrical fields & capacitors , magnetic circuits & inductors, circuit components, Ohm's law, network theorems, ac signals, ac circuits analysis.

Prerequisite: 105201

103301 EE Fundamentals II **3,0; 3 CrHrs**

Semiconductors, PN junction, diode, diode circuits & applications, bipolar junction transistor, transistor circuits, introduction to field effect transistors.

Prerequisite: 103300

103302 Digital Logic Design I

3,0; 3 CrHrs

Number systems, Boolean operators & logic gates, special Boolean functions, minimization procedures for Boolean functions, combinational logic circuits, introduction to sequential logic circuits, flip flops .

Prerequisite: 101101

103340 Digital Logic Design II	3,0; 3 CrHrs
Design of sequential circuits, state diagrams, design of synchronous and asynchronous counters, registers, programmable logic devices, sequential logic applications of PLDs, memory organization and memory types, RTL notation.	
<i>Prerequisite: 103302</i>	
103390 EE Fundamentals Lab I	0,3; 1 CrHrs
12 experiments covering the topics of EE Fundamentals I.	
<i>Corequisite: 103300</i>	
103391 EE Fundamentals Lab II	0,3; 1 CrHrs
12 experiments covering the topics of EE Fundamentals II.	
<i>Prerequisite: 103390, Corequisite: 103301</i>	
103392 Digital Design Lab	0,2; 1 CrHrs
The laboratory includes experiments covering topics of Digital Logic Design courses I & II.	
<i>Corequisite: 103340</i>	
103403 Introduction to VLSI Design	3,0;3 CrHrs
Fundamentals of MOS technology, MOS devices & circuits, design, masking, fabrication, packaging, and testing of VLSI Chips.	
<i>Prerequisite: 103430</i>	
103430 Digital Circuits & Systems	2,2; 3 CrHrs
Diodes for integrated circuits , the transistor as a switch , FETs & MOSFETs , switching speed of a diode, storage and transition time, the Schottky diode, RTL, DTL, TTL, ECL & MOS gates, Memories.	
<i>Prerequisite: 103301 & 103302</i>	
103520 Electronics	3,0; 3 CrHrs
Transistor models, single stage amplifiers, multi-stage amplifiers, feedback amplifiers, operational amplifiers, tuned amplifiers & oscillators, power amplifiers, thyristors & regulated power supplies.	
<i>Prerequisite: 103301</i>	
104100 General Mathematics	3,0, 3 CrHrs
Number representations, approximations, cartesian coordinates, elementary functions, 1 st and 2 nd order algebraic equations, determinants, linear systems, exponentials and logarithms, statistics: definitions, descriptive statistics, mean, mod, median, bi variant data, correlation, regression, probability & probability distribution.	
104101 Mathematics I	4,0; 4 CrHrs
Plane geometry, exponentials, trigonometric & inverse functions, parametric equations, limits and continuity, derivatives, chain rule, implicit differentiation, extreme values, applications on derivatives, integration, rules of integration, applications of integrals.	
<i>Prerequisite: 104100</i>	
104102 Mathematics II	4,0; 4 CrHrs
Transcendental functions, logarithms, exponential functions, inverse of trigonometric and hyperbolic functions, techniques of integration, sequences, infinite series, Taylor and power series, vectors in the plane, vector valued functions, calculus of polar functions, vectors & motion in space, line and planes in space, unit tangent, function of several variables.	
<i>Prerequisite: 104101</i>	

104103 Mathematics for Business

3,0; 3 CrHrs

Mathematics of finance, Basic linear and non-linear equations, revenue, cost and profit applications, matrices with applications, mathematics of finance, percentage, compound interest and investment appraisal, calculus of differentiation, applications of maxima and minima of functions, indefinite and definite integrals, methods of integration and applications, first order differential equations.

Prerequisite: 104100

104204 Mathematics III

3,0; 3 CrHrs

Partial derivatives, directional derivatives, gradient vector and tangent planes, extreme values, multiple integral, change order of integration, line integral, Green's, Stokes' and divergent theorems, matrices, determinants, eigenvectors and eigenvalues, L'Hopital rule, complex plane.

Prerequisite: 104102

104230 Introduction to Probability & Statistics

3,0; 3 CrHrs

Review of statistics, relative standing, practical significance of the standard deviation, event, sample space & probability, permutations & combinations, conditional probability, discrete distributions, normal distribution, sampling distribution, confidence intervals, quality control, correlation analysis.

Prerequisite: 104100

104231 Discrete Mathematics

3,0; 3 CrHrs

Sets, bags, tuples, alphabet, string, language, floor & ceiling functions, logic, wff, cnf and dnf, truth table, proof techniques, permutations, combinations, binomial coefficients, relations, equivalent, partition, recurrence relations, mathematical induction, graph theory, trees and spanning trees.

Prerequisite: 104100

104320 Numerical Methods

2,2; 3 CrHrs

Errors & computations, finding a root of function in one variable, bisection, false position, Newton, fixed-point, Muller, Gauss, Gauss-Jordan & LU decomposition methods for linear systems, iterative, solving non linear systems, numerical integration, differential equations, interpolation, curve fitting, least-square method.

Prerequisite: 104102

104410 Mathematics IV

3,0; 3 CrHrs

First-order differential equations, numerical methods, Euler & Runge-Kutta methods, higher-order linear differential equations, series solution of 2nd order differential equations, Fourier series, boundary value problems, Fourier transforms, Laplace transforms, step function, partial differential equations.

Prerequisite: 104204

105201 Physics

3,0; 3 CrHrs

Vectors, Motion, work & energy, heat & heat transfer, electric fields, magnetic fields, electromagnetism, quantum theory.

Prerequisite: 104101

105291 Physics Lab

0,2; 1 CrHrs

Set of experiments covering topics of Physics.

Corequisite: 105201

107400 Systems & Signal Analysis

3,0; 3 CrHrs

Types of signals, signal analysis, review of Fourier & Laplace transformations, linear & non-linear systems, system impulse response, amplitude & phase responses, discrete signals, discrete Fourier transform, fast Fourier transform, Z transform, digital filters.

Prerequisite: 104410

107510 Digital Signal Processing

3,0; 3 CrHrs

Properties of continuous & discrete signals, Z- transform & FFT, digital filter design and implementation (software & hardware), finite word length effects on digital signal processing elements.
Prerequisite: 107400

108400 Control Systems

3,0; 3 CrHrs

Modeling of dynamic systems, transfer function, block diagram representation, system response, transient response, S-plane, pole location, 2nd & higher order systems, response in frequency domain, Bode diagrams, closed loop behavior & stability, closed loop frequency response, root locus.
Prerequisite: 104410

201210 Information Systems & Technology

(3,0,3)

The course is an introductory course in Information Systems & Information Technology for today's business students. It focuses on fundamental concepts of IS and changes in IT; data base management systems; networking and the enterprise such as business telecommunications, Internets and e-commerce, Intranets, Extranets and Enterprise collaboration; applications such as IS for business operations and IS for managerial DSS, Artificial Intelligence technologies in business; IS for strategic advantage; and overview on enterprise management of IT and securities and control of IT. Real world cases will be discussed (*Pre-requisite: 101101*).

201211 Business Information Systems Analysis & Design

(3,0,3)

This course provides a reflection and analysis on the IS & T course and concentrates on business information systems analysis & design. It covers in detail the business information systems concepts, components and cases. How business firms use Information Systems. Placement of IS in a business; BIS applications in business functions; system theory; fundamentals of IS development - acquiring and developing IS; Information Systems development Lifecycle: Initiating systems development, project management; Initiation systems analysis- systems design; systems build, and implementation. A practical project in systems analysis, design & build is required as a part of the course (*Pre-requisite: 201210 & 101110*).

201312 Accounting Information Systems

(2,2,3)

This course explains the basic concepts and principles of accounting information systems (AIS). The course provides the concepts and principles of analyzing, designing and implementing accountancy computer systems to perform accounting function. This course emphasizes technology and internal controls to help assure readers future professional success (*Pre-requisite: 201210+203230*).

201314 Information Systems Management

(3,0,3)

This course covers the fundamentals of Information Systems Management within an organization including elements of Information Systems Strategy and its relation to the mission and objectives of the business, Techniques & trends in IS strategy, key issues in implementing the IS strategy, Information systems security and protection, end-user interaction and services, the use of internet and intranet, legal and ethical Issues in information systems, and new trends, developments and the future in this field (*Pre-requisite: 201210*).

201315 IT Management for Service Operations

(3,0,3)

This course covers the principles and techniques necessary for the efficient IT design and operation for profit and non-profit service operations, explore the management of service systems, bring students up-to-speed on the business practices that are most critical to effective IT operations and related areas. A student who wishes to select this elective course must have studied the information systems & Technology course which provides the basis for these topics (*Pre-requisite: 201210*).

201316 BIS Development

(2,2,3)

In this course students will work on teams to design and implement computer-based solutions to business problems following the system development methodology. They will construct and develop information systems using current technology and graphic user interface design packages. Some of the topics include: planning, designing, developing, and implementing solutions; creating queries to locate information; creating professional-looking reports and forms and integrating with other applications.

(Pre-requisite: 201211).

201410 Operational Research

(3,0,3)

This is an introductory course in Operational Research Techniques which provides students with a balanced presentation of the theory, applications and computations of operations research. The uses of case studies, accompanying software, and comprehensive exercises to explain the basics of operations research techniques. It introduces the student to the field of modeling real managerial decision making problems. It includes Linear Programming (the simplex method, duality and sensitivity analysis), Transportation Model, Network Models, Inventory Models, Decision Analysis and Games, Queuing Systems, and Simulation Modeling *(Pre-requisite: 104230 & 104103)*.

201411 Business Expert Systems

(2,2,3)

This course covers the knowledge base concepts and systems, Expert Systems basic techniques, the use of shells and their use in different areas of Business applications. The use of PROLOG and/or LISP as an AI language for Expert Systems development will be covered. Practical project is suggested as a part of the course work *(Pre-requisite: 70 Credit Hours)*.

201412 Network Administration

(2,2,3)

This course concentrates on the basic concepts and practices of Network Administration. It aims to provide a practical background in networking profession in conjunction with the prerequisite course in data communication & networking. . It covers an overview of TCP/IP; Delivering the Data ; Network Services ; Installing TCP/IP (Windows NT Networking, Configuring the TCP/IP Protocol); Using Dynamic Host Configuration Protocol; Using Windows Internet Name Service(Managing WINS with WINS Manager, Troubleshooting WINS); Configuring DNS Name System; Microsoft Routing and Remote Access Service; Internet Information Server (IIS); Troubleshooting TCP/IP; Network Security ; Information Resources *(Pre-requisite: 101351)*.

201413 Independent study

(0,0,3)

Qualified students working on an individual basis with faculty members who have agreed to supervise such work *(Pre-requisite: Department Approval)*.

201414 Introduction to Simulation Modeling

(3,0,3)

This course introduces the concepts of simulation modeling. It focuses on both discrete event simulation, and continuous simulation(system dynamics simulation). It covers generating random numbers, simulation languages, and simulation examples of complex systems. Probabilistic models; random variables, Poisson process, statistical inference and data analysis; modeling queuing systems and inventory models, and applications to performance evaluation of computer systems will be covered as well *(Pre-requisite: 104230 and 101110)* .

201415 Selected Topics in Advanced Information Systems

(x,y,3)

Review recent literature in the area of information systems particularly in business applications. it covers development and exchange of scholarly information, usually in a small group setting. The scope of work shall consist of research by course registrants, with the exchange of the results of such research through discussion, reports, and/or papers. Students report on selected topics. May be repeated for credit with topic change and department consents *(Pre-requisite: 201211)*.

201416 Electronic-Commerce

(2,2,3)

This course covers the fundamentals of electronic commerce, the buying and selling of information, products, and services through purely electronic means ,promises to revolutionaries the conduct of business. A survey of consumer-to-business and business to-business electronic commerce models, systems, and technical solutions. Includes hands-on -projects and assignments (*Prerequisite: 101211*).

201490 Training

(0,0,3)

This involves training for at least eight weeks in local, regional or international organizations. The student has to submit his/her findings and practices in a printed report. The report must contain valuable information about the training subject. (*Pre-requisite: The student must have achieved 60 Credit Hours*).

201491 BIS Implementation (Graduation Project)

(0,0,3)

This involves a significant project in the application of Information systems in Business. It is to be offered as a capstone course. The project may be undertaken by individual student or a small group of student. Graduating students must take it during the last semester of their study. This course is offered by arrangement with a BIS faculty member. The student has to submit his/her achievements in a printed and well-organized report. An examination committee will be formed to examine the achievements and submit its evaluation to the head of the department in an evaluation form (*Pre-requisite: departmental approval*).

202120 Introduction to Management

(3,0,3)

This course covers the basic concepts and tasks of management and the historical & current trends in management thought and practice. It focuses on models; planning and decision making; control; organizing; motivation and leadership. Authority in Organizational relationships; group behavior, conflict and organizational change will be studied.

202220 Principles of Economics

(3,0,3)

This introductory course aims to cover the basic topics in the nature of economic science. These include: the circular flow of economic activity; the market, demand and supply and market mechanism. It also covers national income accounting, classical and modern macro model, fiscal policy, monetary policy, economics instability and macroeconomic policy. Consumer choice, producer choice, market structure, pure competition, monopoly, monopolistic competition, market failure, the environment factor, pricing and income distribution will also be covered.

202221 Organizational Behavior

(3,0,3)

The O.B. course is aiming at introducing the students to the current management theories & research. The course represents a synthesis of behavioral sciences providing a broad framework for management. Topics include organizational goals and responsibilities, models, decision theory, planning control, organization, motivation, leadership, group behavior, conflict and organizational change (*Pre-requisite: 202120*) .

202230 Marketing

(3,0,3)

The main objective of this course is to focus on the basic concepts of marketing decisions in business, Customer needs, Segmenting markets; developing product; promotion; pricing and distribution strategies. Relationships between consumers; business and government will be covered as well (*Pre-requisite: 202220 and 202120*).

202231 Business Communication

(3,0,3)

This course concentrates on building the students' business communication skills in general and with Internet applications (e - Business and e - commerce) in particular. The theory and principles of business communication, business letters and reports as forms of communication report types and characteristics,

management meetings, Internet communication and oral communication skills that include representations and interpersonal communication will be covered (*Pre-requisite: 202120 and 401101*).

202232 Purchasing and Storage Management (3,0,3)

The course objective is to focus on functions of purchasing and storage activities, Methods of purchasing & storage, Methods Of negotiation, Procedures and information flow, Quantitative approach in managing purchasing and Storage, Quality and inspection, Price determination, supply chain process and purchasing research and budgeting (*Pre-requisite: 202120*).

202321 Organization Theory & Design (3,0,3)

The course concentrates on the evolution of Organization theory, and the contribution of different schools of thought to the development of classical and contemporary perspective in the local and global settings. The topics of bureaucracy, power and politics, and organizational structures, technology, organizational change and the concept of learning organization will be covered. Applications in business organization in new context should be stressed on in this course (*Pre-requisite: 202221*).

202322 Project Management (3,0,3)

This course emphasizes the application of the concepts of project lifecycle stages. It covers project feasibility studies & economic viability, strategic and financial assessment of project proposals, project planning and control using CPM and PERT techniques with cost analysis, and project evaluation. Students examine business decision-making theories and practices appropriate to information systems development and re-engineering projects. Tools to facilitate the monitoring and prioritizing of external and internal project activities such as modeling decisions, evaluating risks and human elements in project management, defining opportunities and identifying alternative courses of action and reaction to unplanned events will be covered. Special attention is to be given to IT projects (*Pre-requisite: 90 Credit Hours*).

202330 Sales Management (3,0,3)

Sales management is an introduction course to professional sales force management. This course is designed to develop student skills in planning a sales program, organizing the selling effort and in recruiting, training and motivating the sales force (*Pre-requisite: 202120 and (as Co-requisite) 202230*).

202331 Human Resource Management (3,0,3)

The HRM course emphasizes understanding the principles, operations and roles of human resources & industrial relations systems in organizations. It also covers the need for proactive planning of human resources, Job analysis and design techniques, human resource policies, human resources acquisition and maintenance strategies, recruitment, selection, development and training, compensation, health, and safety issues and policies (*Pre-requisite: 202120*).

202332 Production & Operations Management (3,0,3)

This introductory course covers a conceptual and analytical operations management framework for both manufacturing and service firms. It represents a blend of concepts from different related areas. It covers the classification and importance of operations management, operations strategy, competitiveness, strategy and productivity, and forecasting. System design covers product and service design, capacity planning, process selection and facility layout, design of work systems, and location planning and analysis. It also introduces decision making process; quality, quality control, and TQM and the future trends in operations management (*Pre-requisite: 202120, 104103 and 104230*).

202333 International Business Management (3,0,3)

The course studies the nature and scope of international trade and investment. The objectives and motives of international institutions and multi-national companies and their strategies to achieve global presence.

The international monetary system and exchange markets and some of the major issues involved in the functional aspects of international business. International corporate planning and competitive strategies will be covered (*Pre-requisite: 202120 & 202220 preferred with 204230*).

202420 Strategic Management

(3,0,3)

The aim of this course is to provide a complete and concise review of the basic business functions and alternative policies to be considered in corporate strategy formulation and implementation. It also offers the inside track on decision-making, formulation of strategic alternatives, Integration of knowledge in functional areas of business and in the simulation of management experiences. Various methods of simulating a management environment are employed. Including *live case* studies and computerized management problems. Students will analyze a corporation chosen by the faculty (*Pre-requisite: 70 Credit Hours*).

202421 Quality Management

(3,0,3)

This course covers all elements of total quality, quality management and ethics, communication and interpersonal relations, strategic management, techniques, tools, and skills for on-the-job application useful in a wide range of businesses and organizations—service, manufacturing, government, education, healthcare, etc. The course is taught using adult learning principles including discovery learning techniques; enabling students to understand that in order to compete in the global arena, businesses must achieve consistent peak performance, continual improvement, and maximum competitiveness. (*Pre-requisite: 70 Credit Hours*).

202431 Legal Business Environment

(3,0,3)

This course provides a basic review of legal principles and sources of business environment and a background to law and legal theory. It focuses on the legal vacuum and the ethical issues in both business & IT in the new global settings. It covers formation methodology and funds of contracts, modifications, termination, remedies, interpretation of contract language, award law, pricing, patent, courts & boards ruling, contract procedures, and other related topics (*Pre-requisite: 202221*).

203230 Principles of Accounting

(3,0,3)

This introductory course aims at covering the basic concepts, the double-entry, Accounting systems, the accounting cycle, merchandising operations, cash transactions, commercial papers, special journals, and preparation of financial statements with practical case studies.

203330 Cost Accounting

(3,0,3)

This course aims to cover cost accounting fundamentals, cost allocation, budgets and standards, cost information for decision and control, decision making models, cost information and cost behavior and analysis. Practical case studies are to be used (*Pre-requisite: 203230*)

204230 Business Finance

(3,0,3)

The business finance course concentrates on the financial management. It covers an overview of field, the financial environment, present value concepts and its calculations, the common stocks, investment decisions with present value rule, Analysis of financial statements, Risk, return and the opportunity cost, capital budgeting and risks, the time value of money, bond and stock valuations, financial planning. Practical case studies are to be used (*Pre-requisite: 202220 + 203230*).

204330 Portfolio Management

(3,0,3)

This course covers how portfolios build value; process for portfolio strategy development; the efficient frontier; alternatives and decision making process, measuring a portfolio's annual contribution; managing success templates and business unit Lifecycles, value management in the capital-intensive portfolio, strengthening the portfolio through acquisitions, managing through a strategic agenda toward better management of portfolio companies. Practical case studies are to be used (*Pre-requisite: 204230*).

301101 Research Methodology

3 CrHrs

This course provides students with knowledge and skills related to how research is conducted. The course includes fundamental research paradigms , approaches to research ,types of research, issues of ethics, research design, topic selection, hypothesis formulation, literature review, methodology, data collection tools, data representation and analysis, and research writing. This knowledge will aid them in the future both in the role of potential researcher as well as that of a consumer of research and a critical reader of other's research.

301112 Foundations of Education

3 CrHrs

This course provides students with the concept of education by analyzing its multiple dimensions. It deals with concepts like historical, philosophical, psychological, cultural, social and economical foundations of education. The course also develops the students' awareness of educational institutions and the relationship between social change and educational practices.

301121 Curricula Planning and Development

3 CrHrs

The course introduces students to the concept of curricula and its implications. It presents the principles and stages of English as a second /foreign language course and curriculum design. Students examine course syllabi and materials reflecting various pedagogical approaches, and establish principles to guide their selection, adaptation and development of textbooks and other classroom materials.

Pre-requisite: 301112.

301211 Education in the UAE

3 CrHrs

This course introduces students to the educational system in the UAE and its development. It also examines the educational laws applied in the country and the bases for such laws. The course covers the various stages of formal education and the types of curricula used in addition to the system of educational planning and assessment.

301231 Educational Psychology

3 CrHrs

The course provides students with necessary knowledge of the psychological aspects of the learning process. The course reviews the major principles of educational psychology, instructional objectives, learner development and conditions of learning. It also deals with topics like theories of learning, motivation, and cognitive processes.

Pre-requisite: 301112.

301232 Educational Evaluation

3 CrHrs

This course deals with concepts of measurement and evaluation within the educational context. It covers procedures for developing appropriate measurement tools and ways of interpreting their results with the aim of improving curricula and teaching.

Pre-requisite: 301121.

301233: Educational Management and Administration

3 CrHrs

The focus of this course is to develop in the students an awareness of the issues and practices involved in the management of schools as institutions. Thus, this course will prepare the students for the challenge of establishing themselves in the school setting as well as bringing them to an appreciation of how schools function as organizations, how they utilize their resources, how change occurs and how they as individuals can most effectively make a contribution towards achieving school goals.

Pre-requisite : 301112

301322 Educational Technology

3 CrHrs

This course deals with the concepts of educational technology and how to utilize them in the process of teaching and learning. The students identify the functions of various tools and evaluate their effectiveness. Special attention is paid to the role of multimedia technology in enhancing the learning process.

Pre-requisite : 301121.

301342 Methods of Teaching English I

3 CrHrs

This course introduces students to the field of teaching English as a foreign language with particular attention to the Arab learners. It looks at the reasons why people want to learn English and how it can be learnt. It also develops the students' awareness of ELT syllabi, course design principles and material development. It focuses on the various approaches and methods of teaching English.

Pre-requisite:301121.

301443 Methods of Teaching English II

3 CrHrs

In this course, students have a further opportunity to explore how each individual language skill can be taught and assessed. This includes the teaching of reading comprehension, the teaching of writing and oral skills, and the sub-skills of grammar and vocabulary. Microteaching is encouraged.

Pre-requisite: 301342.

301445 Teaching English for Specific Purposes

3 CrHrs

This course introduces the field of teaching English to particular groups of students who want to learn the language for a specific purpose. The students learn how to analyze the needs of learners and their difficulties. They also learn the skills of designing specific syllabuses and materials. The course covers the methodology of teaching specific skills related to the language of certain registers such as scientific and technical English, business English etc.

Pre-requisite: 401101

301446 Computer Assisted Language Learning

3 CrHrs

In this course, students are exposed to the techniques of using computers as supportive tools in the learning and teaching of English. Particular attention is given to the role of multimedia and the Internet in facilitating the language learning process.

Pre-requisite: 101101.

301491 Teaching Practice I

3 CrHrs

This course gives the students the opportunity to explore the realities of the English language classroom. It is a 3-hour credit course where students have to spend a minimum period of fifteen weeks in a school. They start with observing classes, and end with teaching full time but under the supervision of a school mentor together with the supervision provided by the University supervisor. At the end of their teaching practice they submit a teaching Portfolio.

Pre-requisite : 301342.

301492 Teaching Practice II

3 CrHrs

This is a 6-hour credit course where students continue their training at schools. They have to spend a minimum period of fifteen weeks observing classes and teaching full time sessions under the supervision of a school mentor together with the supervision provided by the University supervisor. At the end of their teaching practice they submit a teaching portfolio.

Pre-requisite: 301491.

401100 English Language I

3 CrHrs

This is a compulsory requirement for all IU students. It provides basic training in the skills of listening and speaking and basic writing at the sentence and paragraph level required in academic contexts, e.g. lectures, seminars, presentations, discussions and written assignments where English is used as a medium of learning and teaching. The course also builds the students range of academic vocabulary needed to master the specific listening and speaking skills in an academic environment. Standard tests will be used in the final examination of this course.

401101 English Language II

3 CrHrs

This course exposes students to further academic English. In particular, it addresses the skills of reading and writing within an academic context. This involves students in strategies aiming at helping them understand written English in university textbooks and academic journals. Students also receive instruction in producing correct and academically appropriate written English. Standard tests will be used in the final examination of this course.

Pre-requisite: 401100.

401103 Technical Report Writing

3 CrHrs

This course teaches the techniques of report writing with the needs of students of science and technology in mind. The students learn the principles and strategies of technical writing. The syllabus includes items such as grammar, style, technical communication, formatting, and data presentation.

Pre-requisite: 401101.

401210 Introduction to Literature

3 CrHrs

This course provides the basis for understanding and appreciating English literature. It introduces the students to the main literary genres (fiction, poetry and drama). It also provides them with a variety of approaches to texts and literary evaluation.

Pre-requisite: 401101.

401221 Introduction to Linguistics

3 CrHrs

This course serves as a basis for and a pre-requisite to all linguistics courses. It has been designed with the practical needs of the ELT teacher and translator in mind. The course introduces issues like properties of human language, nature of language, types of language description, language and society, syntax, phonetics and phonology, morphology, semantics, pragmatics and stylistics.

Pre-requisite: 401101.

401222 Fundamental of Grammar

3 CrHrs

This course provides a comprehensive survey of English grammar to serve as a basis for the course (401224) Syntax. It introduces grammatical terminology and improves students' awareness of language use and develops their level of accuracy in using English communicatively. The focus will be on functional and pedagogical grammar. The course deals with concepts such as verbs and tenses, nouns and adjectives, gerunds and infinitives, and modals.

Pre-requisite: 401101.

401223 Phonetics and Phonology

3 CrHrs

This course provides the basic knowledge and skills of phonetics needed by the ELT teacher and translator. It deals with topics like articulation of human sounds, phonemes; description of sounds; classification of sounds; International Phonetic Alphabet (IPA), phonetic transcription, minimal pairs, allophones, distinctive features, stress, and intonation

Pre-requisite: 401101.

401224 Syntax

3 CrHrs

This course examines the syntactic theory of English. It deals with topics like types of grammar, approaches to English syntax, syntactic competence, clause structures, phrase structures, tense structures, aspect, passive and active voice, modals, prepositions and complex sentences. The course must be related to grammar problems in the contexts of ELT and translation.

Pre-requisite: 401222.

401230 Children's Literature

3CrHrs

This course is designed to impart the knowledge for an appreciation and understanding of children's literature. It gives students a fuller understanding of this genre and provides an overview of its development. Students in this course will examine and evaluate reading materials published for children and explore the role that literature plays in children's growth and development and the ways in which literature can be incorporated into various setting. The reading list includes selected children's poems and short stories.

Pre-requisite: 401210.

401242 Oral Skills

3 CrHrs

This course develops the students' abilities to communicate properly in English. The students are given training on how to listen and understand spoken English in a variety of contexts. The course provides practice in speaking and effective communication strategies. Students receive training in accurate pronunciation, seminar strategies and proper use of grammar and lexis in spoken communication.

Pre-requisite: 401101.

401245 Reading Skills

3 CrHrs

This course provides necessary practice in reading skills. Texts are selected from a wide range of sources representing authentic English language texts. The course covers the following topics: skimming and scanning, getting the main idea in a passage, inference, critical reading, reading and thinking, speed reading, interactive reading, types of texts, purpose and audience in reading, note-taking in reading, grammar and vocabulary in reading.

Pre-requisite: 401100.

401246 Writing Skills

3 CrHrs

This course develops the students' awareness of the writing process. It develops students' abilities writing a well structured paragraph, a summary, and a short essay expressing a particular function, e.g. descriptive, narrative, argumentative etc. Particular attention is given to report writing and letter writing.

Pre-requisite: 401101.

401310 Novel

3 CrHrs

The course sheds light on "the novel" as a literary genre that is in a state of permanent revolution. It studies the prominent stages of its development and the different categories used by writers of prose fiction and critics. It deals with artistic and technical issues such as narrative techniques and construction, narrative medium and language, free indirect discourse, tone and mode. The course includes an examination of a modern literary genre.

Pre-requisite: 401210.

401311 Poetry

3 CrHrs

This course introduces students to the formal conventions of poetry as well as the basic elements that work to create a poem. It addresses the basics of prosody, poetic devices and major verse forms. The poems studied will be primarily English and American and provide a sampling of works from

the sixteenth to the later twentieth centuries.

Pre-requisite: 401210.

401312 Essay Writing

3 CrHrs

This is an advanced course in writing skills. It aims at developing the students' writing potential. The course examines techniques of producing well-structured essays of different styles and forms. The students write personal essays, reflective essays, argumentative essays, and narrative accounts.

Pre-requisite: 401246.

401314 Survey of English Literature

3 CrHrs

This is a survey of English literature representing various genres such as poetry, fiction and drama from old times to the modern age. Particular authors are selected for review, and their works are appreciated.

Pre-requisite: 401210.

401315 Survey of American Literature

3 CrHrs

This course is a survey of the main genres of American literature, i.e. fiction, poetry, drama from their beginnings to modern times. Particular writers and authors are selected for this review and their works are appreciated.

Pre-requisite: 401210

401321 Semantics & Lexicology

3 CrHrs

The focus of this course is on the exploration of semantic and lexical theory and practical applications of this theory to language teaching and translation. It includes topics like word and sentence meaning, ambiguity and sense relations, lexicography and morphology.

Pre-requisite: 401221.

401322 Discourse & Text Analysis

3 CrHrs

This course introduces the students to the concept of language use in context. It provides them with techniques for describing and analyzing language as discourse and text rather than as individual sentences. The course deals with certain concepts such as coherence, cohesion, topic, reference, communicative functions and moves, language use vs. language usage, text types, paragraphs, anaphora, theme and rheme information .

Pre-requisite: 401221.

401323 Contrastive Linguistics

3 CrHrs

This course deals with the principles and techniques of contrasting languages, in this case English and Arabic. Various components of language are studied in the process of comparison including lexis, grammar, style, and sound systems. The course relates the findings of contrastive linguistics to applications in language teaching, translation, and lexicography.

Pre-requisite: 401221.

401324 Psycholinguistics

3 CrHrs

This course deals with the relationship between psychology and linguistics and how psychology influences the study of language. The various concepts of motivation, memory, aptitude, attention, recall and retrieval, intelligence and how the human brain processes language are discussed in relation to the teaching of English and translation.

Pre-requisite: 401221.

401325 Error Analysis

3 CrHrs

The course examines theories of inter-language and intra-language causes of errors in language use.

There is also a practical component in which students analyze actual samples of learners' errors and their possible causes.

Pre-requisite: 401221.

**401326 Sociolinguistics****3 CrHrs**

This course examines language as a human social behavior. It introduces the students to how speakers of English use the language to display group membership, social and ethnic class and gender. The course deals with topics like solidarity, linguistic domains, and linguistic variables. It also covers the study of social context and its role in understanding language. Implications for language teaching and translation are emphasized.

Pre-requisite: 401221.

401327 Short Story**3 CrHrs**

This course studies the short story as a literary genre with emphasis on critical analysis and appreciation. The basic elements of short story such as point of view, plot, character and theme are discussed in terms of how they are applied to individual stories by various writers from different periods.

Pre-requisite: 401210.

401330 Principles of Translation**3 CrHrs**

This course introduces translation as an academic discipline. It examines principles, methods of translation and problems arising in the process of translating different types of texts. The students are given an opportunity to analyze translated works and test the effectiveness of such translations. Translation is related to linguistic issues as studied in modern applied linguistics.

Pre-requisite: 401101.

401332 Translating English Texts**3 CrHrs**

This course provides the students with the basic skills involved in the process of translation from English into Arabic. It covers a wide range of texts representing various registers. Linguistic problems arising at any linguistic level, e.g. syntactic, lexical, textual etc. are discussed and noted.

Pre-requisite: 401330.

401333 Translating Arabic Texts**3 CrHrs**

This course develops the students' awareness of the skills and problems involved in the process of translation from Arabic into English. It covers a wide range of texts taken from Arabic registers. Problems arising in the process due to differences between the two languages are discussed.

Pre-requisite: 401330.

401410 A Special Topic in Literature**3 CrHrs**

In this course, the lecturer selects a particular issue in English or American literature and deals with it in substantial depth. Topics aiming at enhancing students' awareness of literature are encouraged.

Pre-requisite: 401210.

401412 Drama**3 CrHrs**

The course introduces drama as a major literary genre. It deals with the changing relationship of drama to society, different approaches to performance, the main periods of dramatic achievements and principal types of plays. It examines the literary and technical features of a modern play.

Pre-requisite: 401210.

401425 Lexical Studies**3 CrHrs**

The course deals with aspects of word formation such as inflection and derivation, borrowing, compounding, conversion, etc. Students also learn how words change their meanings over time. The course includes issues like lexicography. The role of lexis in discourse and how vocabulary is learned is dealt with in light of the needs of ELT and translation practitioners.

Pre-requisite: 401221.

401426 Applied Linguistics

3 CrHrs

This is an introduction to the applications of language studies. The relationship between theory and practice is analyzed with reference to various fields such as ELT, translation, lexicography and curriculum design.

Pre-requisite: 401221.

401431 Translation Project

3 CrHrs

This course gives the students a further chance to practice translation over an extended period of time under the guidance of an instructor. Each student chooses a particular substantial text of a specific type in English or Arabic and submits a written translation of that text. The students give oral presentations in which they explain the reasons for their choice and the problems they face.

Pre-requisite: 401330.

401432 Field Training

3 CrHrs

This course provides students with practical experience to supplement their university education and bridge the gap between theory and practice through opportunities to interact with realities of translation. Students are required to spend a minimum period of eight weeks of supervised training in translation. They must submit written reports (portfolios) describing their experiences.

Pre-requisite: Department Approval.

401433 Translating Business Texts

3 CrHrs

This course gives the students further exposure and practice in translation by focusing on the register of business. Students apply techniques and principles of translation on various genres of business such as business reports, business correspondence, financial reports, and commercial statements.

Pre-requisite: 401330.

401434 Translating Legal Texts

3 CrHrs

This course develops the students' awareness of the features of English and Arabic used in the field of law. A number of texts are examined in terms of their linguistic exponents, and implications for translation are drawn. Students are given actual practice in translating such texts.

Pre-requisite: 401330.

401435 Translating Journalistic Texts

3 CrHrs

In this course, students examine ways of translating special texts in the domain of media communication, particularly journalism. The language of newspapers and magazines is analyzed in terms of style, format, purpose, and effect. Arabic and English texts will be compared and discussed for implications in translation.

Pre-requisite: 401330.

401436 Translating Scientific Texts

3 CrHrs

This course examines texts from the domain of science and technology for the purpose of translation. The linguistic features of this type of texts are isolated and compared in English and Arabic. Students are provided with opportunities to practice the translation process of such texts.

Pre-requisite: 401330.

402100 Arabic Language I

3 CrHrs

This course aims at enabling students to approach the study of the Arabic language with emphasis on the role of structure in enhancing the four language skills. It concentrates on the concept of language in the use of its various aspects as a modern language.

**402101 Arabic Language II****3 CrHrs**

The course exposes students to further practice in using modern Arabic. In particular, it further reinforces the four language skills used in modern standard Arabic. Moreover, the course provides practical training in critical reading and writing.

Pre-requisite: 402100.

402220 Arabic for Translators**3 CrHrs**

This course aims at providing the students with advanced language skills in Arabic with the needs of the translator in mind. It concentrates on Arabic as language not just grammar. Arabic texts of various genres (particularly the text genres dealt with in the translation course of the EL&T programme) will be used in teaching how to use the language in reception and production. Traditional grammar-teaching, which is sometimes inevitable in view of the conservative nature of the Arabic educational system, will be reduced to a minimum. Grammar will basically be taught in context on the basis of structural and stylistic textual analysis.

Pre-requisite: 402100.

403100 Islamic Culture**3 CrHrs**

This course introduces various aspects of Islamic thought. It develops the students' awareness of Islam as a way of life. The basics of the faith and the prominent features of the Islamic culture are highlighted.

403101 Islamic Civilization**3 CrHrs**

The course provides the students with examples of the Islamic civilization throughout history. It concentrates on both the material as well as the intellectual aspects of the Islamic civilization.

404100 UAE Society**3 CrHrs**

This course examines the social structure and foundations of the UAE as an Arab Muslim society. It addresses issues such as the history of the Emirates and their development from the past until the present times. The social values, problems and challenges are tackled in view of the modern sociological theory.

404101 Introduction to Sociology**3 CrHrs**

This course deals with sociology as a scientific discipline and its relationship with other sciences. This includes discussions of basic concepts like culture, social structure, social interaction, and social systems.

404102 Library Information Sources**3 CrHrs**

The course introduces the students to the systems involved in organizing libraries and information centers. It trains the students in skills related to information retrieval and documentation procedures.

404110 Media & Multimedia**3 CrHrs**

This course considers the role of television, newspapers, and magazines, the internet, films, radio and mobile phones in the process of communication and cultural as well as cross cultural interaction. It also examines issues such as multimedia technologies, video and teleconferencing.

405100 Introduction to Psychology**3 CrHrs**

This course includes topics like aspects of learning, human social behavior, intelligence, cognition, development, perception, awareness, motivation, thinking and personality.

توصيف المساقات:-

000001 التعريف بالدراسة في جامعة الاتحاد

هذا المساق يقدم للطلبة معلومات عن لوائح وقوانين جامعة الاتحاد والخدمات ذات الصلة بدراساتهم .

101101 أساسيات الحوسبة - 3 ساعات معتمدة

مقدمة عن مبادئ الحاسوب ومكوناته؛ مهارات الأنترنيت، تمارين عملية على استخدامات برامج الحاسوب الحديثة (Word, Excel, PowerPoint) تخزين البيانات ووسائلها، وسائل الإدخال والإخراج، أخلاقيات الحاسوب والسرقات الأدبية.

104100 الرياضيات العامة - 3 ساعات معتمدة

تمثيل الأعداد، التقريب، الإحداثيات الكارتيزية، الدوال البسيطة، المعادلات الجبرية من الدرجتين الأولى والثانية، المحددات، الأنظمة الخطية، الأسس واللوغاريتمات، الإحصاء: تعريفات، الإحصاء الوصفي، الوسط، المنوال، الوسيط، بيانات المتغيرات الثنائية، الارتباط، الانحدار، الاحتمالات، توزيع الاحتمالات.

202120 مدخل إلى الإدارة - 3 ساعات معتمدة

يغطي هذا المساق الأفكار والمبادئ الأساسية والواجبات المتعلقة بالإدارة والتوجهات التاريخية والراهنة في الفكر والممارسة الإدارية. يركز المساق على النماذج، التخطيط واتخاذ القرارات، التحكم، التنظيم، التحضير والقيادة. يدرس المساق السلطات في العلاقات التنظيمية، السلوك الجماعي، وكذلك الصراع والتعبير التنظيمي.

202220 مبادئ الاقتصاد - 3 ساعات معتمدة

هذا المساق مدخل يهدف إلى تغطية الموضوعات الأساسية في طبيعة علم الاقتصاد، والتي تشمل: الانسياب الدائري للعملية الاقتصادية، العرض والطلب في الأسواق، وآليات السوق. كذلك يغطي المساق حساب الدخل القومي، النموذج الكلاسيكي والحديث، السياسة المالية، السياسة النقدية، التذبذب الاقتصادي، والسياسة الاقتصادية الواسعة. كذلك يغطي: خيارات المستهلكين، خيارات المنتج، هيكلية السوق، المنافسة الخالصة، الاحتكار، المنافسة الاحتكارية، فشل الأسواق، العامل البيئي، التسعير وتوزيع الدخل.

203230 مبادئ المحاسبة - 3 ساعات معتمدة

هذا المساق مدخل يهدف إلى أن يغطي المبادئ الأساسية، لإدخال المزدوج، الأنظمة المحاسبية، الدائرة المحاسبية، مكنتة العمليات، المعاملات النقدية، الأوراق التجارية، اليوميات الخاصة وإعداد التقارير المالية، مع دراسات لحالات علمية.

301101 طرق البحث - 3 ساعات معتمدة

هذا المساق يمد الطلاب بالمعرفة والمهارات المتصلة بإجراء البحوث في بيئة أكاديمية، ويشمل المساق مدخلاً إلى أنواع البحوث، المنهج العلمي، اختيار موضوع البحث، تكوين الفرضيات، اختيار البيانات ومعالجتها، وكتابة البحوث.

301102 مهارات اللغة الإنجليزية (1) - 3 ساعات معتمدة

يهدف هذا المساق إلى رفع المقدرة اللغوية في اللغة الإنجليزية عند الطلبة، ويتيح لهم فرصة التعلم لسدّ الفجوة بين مستواهم اللغوي عند دخولهم الجامعة والمستوى المتوقع منهم أثناء الدراسة الجامعية. هناك تركيز خاص على المجالات التي تسبب مشاكل للطلاب في النحو والتركييب والمفردات والقراءة والكتابة.

301103 مهارات اللغة الإنجليزية (2) - 3 ساعات معتمدة

هذا المساق يطور ويثبت ما تعلمه الطالب في المساق الأول. وعليه فإنه يعنى بمهارات الاستماع والتحدث والقراءة والكتابة. ويستخدم الطلبة أثناءه الموضوعات المقررة كأساس للتحدث والكتابة، ويدرسون تراكييب لغوية أكثر مما



سبق، الشيء الذي يساعدهم على تركيب الجمل الصحيحة وكتابة فقرة كاملة وموضوع إنشائي متوسط الحجم بالأسلوب الصحيح والواضح من الناحية الإملائية والتركيبية والأسلوبية. (متطلب سابق: 301102).

301112 أصول التربية - 3 ساعات معتمدة
يهدف هذا المساق إلى دراسة مفاهيم التربية عن طريق تحليل أبعادها المتعددة. ويتناول أيضاً مفاهيم أسس التربية الفلسفية والنفسية وقواعد المعرفة المتصلة بالمناهج . كذلك يقدم أشكالاً مختلفة لتنظيم المناهج.

301121 تخطيط وتطوير المناهج - 3 ساعات معتمدة
يقدم المساق للطلاب مفهوم المناهج وتطبيقاتها ، ويفحص الأسس الاجتماعية والفلسفية والنفسية و المعرفية للمناهج ، ويقدم أيضاً أشكالاً مختلفة للتنظيم المنهجي (متطلب سابق: 301112)

301231 علم النفس التربوي - 3 ساعات معتمدة
يقدم المعرفة الضرورية حول النواحي النفسية لعملية التعلم، يعرض المساق المبادئ الأساسية في علم النفس التربوي، الأهداف العامة للتدريس، تطور المتعلم، وشروط التعلم، ويتناول أيضاً موضوعات مثل: نظريات التعلم، التحفي، والعمليات العقلية (متطلب سابق: 301112)

301232 التقويم التربوي - 3 ساعات معتمدة
يتناول هذا المساق مفاهيم القياس والتقويم في المجال التربوي . ويغطي وسائل تطوير قياس مناسبة ، وطرق تحليل نتائجها ، بهدف تطوير المناهج والتدريس . (متطلب سابق: 301121)

301233 الإدارة والإشراف التربوي - 3 ساعات معتمدة
يركز هذا المساق على غرس الوعي لدى الطلاب بالمواضيع والممارسات العملية في مجال إدارة المدارس بصفتها معاهد، وعلى ذلك فإنه يعد الطلاب لمواجهة التحدي بأن يصبحوا فاعلين في النظام المدرسي مما يجعلهم قادرين على تقدير أهمية دور المدرسة ونظمها، وكيف تستخدم مصادرها، وكيف يحدث التغيير، وكيف يمكنهم أن يسهموا أفراداً في هذه المناحي لتحقيق غايات المدرسة. إلى ذلك فإن المساق يوفر للطلاب معرفة وكيفية التفاعل بين المدرسة والمجتمع في مجال التعلم. (متطلب سابق: 301112).

301322 تقنيات التعليم - 3 ساعات معتمدة
هذا المساق يعالج مفاهيم القياس والتقويم ضمن السياق التربوي، ويغطي الأساليب المتنوعة لتطوير وسائل القياس المناسبة، وسبل تفسير النتائج، بهدف تطوير عملية التعلم. (متطلب سابق: 301121).

302210 أدب عربي (نماذج من العصور المختلفة) - 3 ساعات معتمدة
يركز المساق على موضوعات الأدب في عصوره المختلفة، ويتذوق النكهات الأدبية لكل عصر فيما يخص مصادرها وأصالتها، ويتعرف على فنون الخطابة والمكاتبات الرسمية، ومفاهيم الإبداع، وهذه كلها تناقش من خلال تحليل نماذج شعرية ونثرية، ونصوص من المقامات، ونماذج من مسرحيات وروايات معاصرة ويشار إلى حركات التجديد المختلفة في العالم العربي وفي المهجر، وأخيراً يتعرف الطالب على قصيدة النثر الحديثة، ويدرك ما لها وما عليها.

302221 النحو والصرف (1) - 3 ساعات معتمدة
يركز هذا المساق على قواعد النحو الأساسية التي تمكن الطلاب من فهم النصوص والتعبير الشفهي بلغة فصيحة، بدءاً من دراسة الاسم والفعل والحرف، ثم التراكيب المختلفة للجمل في العربية والميزان الصرفي، والاشتقاق، واستخداماتها بدقة في الكتابة والتحدث.

302222 النحو والصرف (2) - 3 ساعات معتمدة

يتناول المساق التراكيب المتقدمة في النحو العربي وصرفه مع إشارة خاصة لبعض أمهات الكتب العربية، ويركز على المنصوبات في صورها المختلفة (المفاعيل الخمسة، والحال والتمييز والمنادى والمستثنى)، ويتناول من المرفوعات الفاعل ونائبه، ومن الصرف تصغير الأسماء ونسبها.
(متطلب سابق: 302221)

302241 تعليم القراءة والكتابة للمبتدئين - 3 ساعات معتمدة
هذا المساق يستعرض وسائل وأساليب تدريس مهارات القراءة والكتابة والتحدث والاستماع، والتعامل مع الصغار، ويعنى بتنمية مهارات الاستعداد لتعلم القراءة والكتابة، ومعرفة الطرق الجزئية والكلية والتوليفية لتعليمهما، ويستعرض صعوبات التعلم وكيفية علاجها.

302301 مناهج البحث في اللغة العربية و الدراسات الإسلامية - 3 ساعات معتمدة
يتناول هذا المساق تعريف الطلبة بمناهج البحث، وتطور هذا العلم عبر المراحل التاريخية، ويلقي الضوء على مشكلة الموضوعية في العلوم الإنسانية، وكذلك التعرف على أهم الكتب التصنيفية، وكيفية تحديد مشكلة البحث، ومعرفة مناهج جمع المعلومات الاستقرائية، والاستنباطية. ويمكن الطلبة من التحليل والنقد الموضوعي للنص. (متطلب سابق: 301101)

302311 البلاغة والنقد الأدبي - 3 ساعات معتمدة
يعرض المساق استخدام المصطلحات الأساسية في البلاغة العربية من خلال أبواب مختارة من علومها الثلاثة: المعاني والبيان والبديع، والوقوف على الجمال الفني في أساليب البلاغة العربية، ويتناول علاقة النقد بالبلاغة، وأصول وقواعد النقد، ومناهج النقد قديماً وحديثاً. (متطلب سابق: 302210)

302312 أدب الأطفال - 3 ساعات معتمدة
يتناول المساق مفهوم أدب الأطفال وأهميته، والخطوات العلمية في كيفية قيام المعلم بتدريس فنون أدب الأطفال من شعر وقصة ونشيد ومسرحية، ومسلسلات إذاعية وتلفزيونية من أقطار عربية مختلفة، ونماذج تطبيقية لبرامج مرئية من فضائيات عربية، ويعرض المساق المحتوى الثقافي الاجتماعي للغة الخاصة بكل نوع أدبي.

302313 الأدب المقارن - 3 ساعات معتمدة
يتناول المساق الأدب العربي في السياق العالمي، ومفاهيم الآداب العالمية، والعلاقات الأدبية بينها، وذلك بالنظر في النظريات والمدارس المختلفة، والتركيز على التدريب على فهم هذه الأنماط الأدبية الشرقية من وجهة نظر خيال الغربيين، وتاريخ الترجمات إلى العربية من الآداب الغربية، ويتناول المساق بعمق تأثير الأدب العربي في الآداب الإسلامية مثل الأدب التركي والفارسي، وتأثيره في الآداب الغربية كالإسبانية مثلاً. (متطلب سابق: 302210)

302314 علم العروض - 3 ساعات معتمدة
يتناول المساق الخصائص الرئيسية لعلم العروض، ويركز على مصطلحات العروض والقافية. فضلاً عن التعرف على البحور والأوزان الشعرية في الشعر العربي، وكذلك حركات التجديد الحديثة، مما يمكن الطلبة من فهم موسيقى الشعر وجرسه، والصلة بين الشكل والمضمون. (متطلب سابق: 302210)

302320 لغويات - 3 ساعات معتمدة
يتناول المساق تعريف الطلاب بعلم اللغة، مع التركيز على مفاهيم علم اللغة وطرائقه، وتطور علم اللغويات العربي، وعلى علم الصوتيات وتراكيب الأصوات، وعلم الدلالة المعجمية، والتركيب النحوي والمعاني، واللغة العربية بين اللغات السامية، وخصائصها الرئيسية تاريخياً، وموضوعاتها في الماضي والحاضر.
(متطلب سابق: 302221)

302323 الإعجاز البياني واللغوي في القرآن والحديث - 3 ساعات معتمدة

يقدم هذا المساق للطالب نماذج من الآيات القرآنية والأحاديث النبوية، للوقوف على ما فيها من إعجاز بياني من تشبيه واستعارات ومجاز وكنائيات، مما يثبت عجز العرب عن محاكاة القرآن الكريم ولو بمثل سورة من سوره، أو تقليد البلاغة النبوية في جوامع الكلم الذي أوتيته عليه الصلاة والسلام. (متطلب سابق: 302222)

302341 طرق تدريس اللغة العربية - 3 ساعات معتمدة

يتعلم الطلاب في هذا المساق طرق تدريس اللغة العربية واستراتيجيات تدريس كل مهارات اللغة (القراءة والكتابة، والتحدث والاستماع) في مرحلة التعليم الأساسية. كما يتناول المساق مبادئ التدريس الناجحة واستراتيجيات تدريس الشعر والأدب وتحليل القصة، والنحو، إلخ؛ وتحضير الدروس وحسن إدارة الصف. (متطلب سابق: 301121).

302430 الفكر العربي المعاصر - 3 ساعات معتمدة

يتناول المساق دراسة نقدية تحليلية لكتابات أكثر الكتاب العرب تأثيراً في القرنين التاسع عشر والعشرين، ويتناول المدارس والحركات الفكرية الحديثة والمعاصرة في العالمين الإسلامي والغربي، وأسباب ازدهارهما، وعوامل التخلف الفكري وطرق علاجها.

302491 التربية العملية (1) - 3 ساعات معتمدة

يتعرف الطلبة في هذا المساق على تدريس اللغة العربية والدراسات الإسلامية في الصف الدراسي وعلى أرض الواقع، ويتعلمون مهارات تحضير الدروس وإدارة الصف، وحل المشكلات التربوية من خلال زيارتهم للفصول الدراسية في المرحلة الأساسية ويكتبون تقارير عن مشاهداتهم. كما يقومون بالتدريس لفترة زمنية محددة تتدرج من تدريس جزء من الحصة الدراسية إلى تدريس حصة أو حصتين أسبوعياً. (متطلبان سابقان: 302341 + 303341)

302492 التربية العملية (2) - 6 ساعات معتمدة

تخصص لهذا المساق 6 ساعات معتمدة حيث يقضى الطلبة المتدربون 15 أسبوعاً في المدارس الحكومية أو الخاصة. ويستهلون التدريب بمشاهدة المعلمين / المعلمات المتعاونين / المتعاونات في الفصول الدراسية، وينتهون بالتدريس بدوام كامل، ولكن تحت إشراف معلم أو معلمة متعاون / متعاونة من المدرسة ومشرف جامعي على برنامج إعداد معلم مجال اللغة العربية والدراسات الإسلامية. (متطلب سابق: 302491).

303210 السيرة النبوية - 3 ساعات معتمدة

يستعرض هذا المساق سيرة النبي صلى الله عليه وسلم، ويعرج فيها على بعض الأحداث التي غيرت مجرى التاريخ، كالغزوات والسرائيا، ودعوته لملوك وأمراء الدول المجاورة، ويلقي الضوء على أخلاقه وشمائله صلى الله عليه وسلم في أحواله المختلفة مع أسرته وأصحابه والوفود التي تقد إليه من القبائل أو الدول.

303211 الحديث الشريف - 3 ساعات معتمدة

يتناول هذا المساق تعريف الحديث، وكيفية تحمله وأدائه، وأهلية الرواة وطرق نقلهم للأحاديث، ومنهج العلماء في بيان أحوال الرواة، ومراتب الجرح والتعديل. كما يلقي الضوء على أنواع الأحاديث مع بيان أنواع الصحيح والضعيف وكذلك الموضوع وحكم العمل به، ويبين آداب رواية الحديث ومجالسه.

303221 العقيدة - 3 ساعات معتمدة

يبحث المساق في أهم جوانب عقيدة المسلم، ويرسخ الاعتقاد الصحيح بالخالق عز وجل، ويركز على أركان الإيمان بالله، ويبين كيف أن الإيمان يزيد وينقص، ويوضح أهم الأعمال التي تزيد من إيمان المسلم، والأعمال التي تكون سبباً في نقصانه.

303223 تفسير القرآن الكريم - 3 ساعات معتمدة

يتناول المساق الطرق الحديثة في التفسير: التفسير البياني، والتفسير العلمي، والتفسير الموضوعي. يتم اختيار كتب تمثل كل نوع للدراسة النقدية، إضافة إلى تفسيرها في القرآن. ويقوم الطلاب على أساس المواد التي يقرؤونها بتفحص، والمناقشات والعروض التي تقوم في الصف، وكذلك البحوث.

303322 علم التجويد - 3 ساعات معتمدة

يتناول المساق المصطلحات الرئيسية في علم قراءات القرآن، وتصنيف القراءات، والكتب الرئيسية في القراءات المشهورة والشاذة. ويركز المساق على مصطلحات علم الأصوات الضرورية للقراءة والتجويد. ويعتمد النشاط العملي في المساق على التدريب اليومي في قراءة القرآن قراءة صحيحة.

303330 مقدمة في الفقه الإسلامي - 3 ساعات معتمدة

يتناول هذا المساق التعريف بالفقه الإسلامي، ومراحل نشأته، وتطوره، وأدواره التاريخية، من عصر الصحابة والتابعين إلى عصر النهضة الحديثة، ويلقي الضوء على أئمة المذاهب الأربعة والأصول التي اعتمدها عليها في استنباط الأحكام، وأسباب اختلاف الفقهاء في بعض الأحكام الفقهية.

303332 مصادر التشريع الإسلامي - 3 ساعات معتمدة

يتناول المساق الأساليب المنهجية التي أبداعها الفقهاء المسلمون، وكيفية استنباط الأحكام المتوافقة وآراءهم. ويعنى المساق بالبحث في مصادر التشريع النقلية، ومصادر التشريع الاجتهادية، وإمكانية تطبيق الأحكام المتعلقة بقضايا العصر.

303341 طرق تدريس الدراسات الإسلامية - 3 ساعات معتمدة

يتعلم الطلاب في هذا المساق طرق تدريس الدراسات الإسلامية، ويتعرفون على المبادئ الأساسية لطرق التدريس واستراتيجياته؛ ودور المعلمين، وإعداد خطط الدروس، وإدارة الصف، والتعرف على الوسائل الناجحة لتدريس القرآن، والحديث، والسيرة، والعقيدة، إلخ، وكيفية تقييم أداء الطلبة. كما يركز المساق على ضرورة ربط دروس التربية الإسلامية بواقع حياة الطلبة. (متطلب سابق: 301121).

303351 المرأة في الإسلام - 3 ساعات معتمدة

يتناول المساق دور المرأة في المجتمع الإسلامي، ويركز على وجهة النظر الإسلامية عن المرأة في القرآن الكريم والسنة وحياة السلف الصالح، ودورها في التاريخ: عالمة، وحاكمة، ومصلحة، وناشطة اجتماعياً، وأماً، وزوجة، وبنناً، وأختاً. ويعرض للحركات النسوية الحديثة، والمرأة في عالمة الإسلام المعاصر.

303352 النظام الاجتماعي في الإسلام - 3 ساعات معتمدة

يتناول هذا المساق مناقشة النظام الاجتماعي في الإسلام والتغيرات التي طرأت عليه. ويركز على الأسرة بصفتها وحدة أساسية في تكوين المجتمع، وكذلك علاقات الأسرة الداخلية والخارجية: علاقة الزوجين، وعلاقة الأطفال بأبائهم، وعلاقات الجوار والصداقة. تخصص كل هذه الموضوعات بدراسة نصوص من القرآن ومن السنة والشريعة، مع التركيز على نظام الإسلام الأخلاقي.

303431 فقه العبادات والمعاملات - 3 ساعات معتمدة

يتناول المساق تعريف الطلبة بالأحكام الفقهية مقترنة بالأدلة الشرعية (فقه العبادات والمعاملات)، والمقارنة بين هذه الأحكام في المذاهب الفقهية الأربعة: الحنفية، والمالكية، والشافعية، والحنابلة، وبيان أسباب اختلافها بين المذاهب استناداً إلى أدلتها الشرعية. (متطلب سابق: 303330)

303433 التشريع الإسلامي وقضايا العصر - 3 ساعات معتمدة

يتناول المساق الوسائل والمبادئ التي يستخدمها علماء التشريع لاستنباط الأحكام، وتأسيس مدارس القانون الإسلامية. ويفحص قواعد النظرية القانونية (الأصول)، وتطبيقاته على التشريع والنوازل والقضايا الفقهية المعاصرة. يغطي المساق ثلاثة مستويات في النصوص التشريعية: أصول الفقه، القواعد، والفقه.

303453 النظام الاقتصادي والسياسي في الإسلام - 3 ساعات معتمدة

يتناول هذا المساق الجوانب السياسية والاقتصادية المختلفة في النظرية الإسلامية وتطبيقاتها. ويركز على السياسة في المجال الفكري وفي واقع الحياة، والجوانب الفكرية للسياسة. ويلقي الضوء على الفكر السياسي والاقتصادي في كتابات مشاهير الكتاب، ويعرض نماذج مختلفة في الحكم من التاريخ الإسلامي، ويركز على مفاهيم الدولة في الإسلام، والقيم



السياسية، والاقتصادية والحكم الراشد. وعلى معنى ودور العمل في التجربة الاقتصادية الإسلامية والمؤسسات الاقتصادية وتطبيقاتها السابقة والحديثة.

304100 مدخل إلى العلوم الطبيعية - 3 ساعات معتمدة
يتناول المساق المعرفة الوظيفية للمفاهيم العلمية الأساسية ، ودورها في الطبيعة والزراعة والصناعة، وتقسيماتها ، ومجموعاتها، ويتناول كذلك البكتيريا والفيروسات وعلاقتها بالإنسان، والوراثة والبيئة وبعض مشكلاتها.

402100 اللغة العربية (1) - 3 ساعات معتمدة
هذا المساق يساعد الطلاب على تجاوز صعوبات اللغة العربية التي واجهوها في المرحلة قبل الجامعة، ويطور ويقوّي مهارات اللغة الأساسية كما في اللغة العربية الفصحى اللازمة للدراسة الجامعية.

402101 اللغة العربية (2) - 3 ساعات معتمدة
في هذا المساق يتناول الطلاب مهارات لغوية متقدمة في العربية الحديثة بشكل خاص، يقدم لهم مدخل إلى اللغة العربية للأغراض الأكاديمية حيث يتناولون موضوعات ذات صلة بمجال تخصصهم. يعنى المساق بمهارات البحث وكتابة الأوراق البحثية الفصلية بأسلوب سليم. (متطلب سابق: 402100).

403100 الثقافة الإسلامية - 3 ساعات معتمدة
يتناول هذا المساق مجالات محددة في الفكر الإسلامي. المساق يطور إدراك الطلاب بالوسائل القرآنية لمعرفة الله أساسيات الإيمان، ومصادر التشريع، ويتضمن أيضاً مراجعة عامة للإسلام بصفته ديناً وأسلوب حياة.

403101 الحضارة الإسلامية - 3 ساعات معتمدة
يقدم هذا المساق للطلاب نماذج من الحضارة الإسلامية عبر التاريخ ويركز على الجوانب المادية والفكرية من الحضارة الإسلامية.

404100 مجتمع الإمارات - 3 ساعات معتمدة
يتناول هذا المساق وصف مجتمع الإمارات وبيان سماته ومفهوماته الرئيسية وأصالته ويستعرض جذوره التاريخية عبر العصور، ويتطرق إلى قيام دولة الإمارات بإعلان الاتحاد. كما يتناول المساق أهم سمات السياسة الخارجية لدولة الإمارات ويتناول أيضاً مجالات التنمية الاجتماعية والاقتصادية والثقافية قبل الاتحاد وبعد، مع تشخيص أهم مشاكل التنمية وسبل معالجة معوقات التنمية الاجتماعية.

404101 مدخل إلى علم الاجتماع - 3 ساعات معتمدة
هذا المساق يتناول تطور علم الاجتماع بصفته دراسة علمية وعلاقته بالعلوم الأخرى. ويشمل هذا مناقشة المبادئ والأفكار الأساسية مثل الثقافة، الشخصية، التنظيم الاجتماعي، التفاعل الاجتماعي والنظم الاجتماعية.

404102 المكتبات ومصادر المعلومات - 3 ساعات معتمدة
يقدم هذا المساق للطلاب النظم المستخدمة في تنظيم المكتبات ومراكز المعلومات. يتدرب الطلاب على المهارات المتعلقة باسترجاع المعلومات وإجراءات التوثيق.

404110 الإعلام والوسائط المتعددة - 3 ساعات معتمدة
هذا المساق مدخل عام ومسح لأوجه وسائل الاتصال المفردة والمتعددة في عصر العولمة الحالي. يتناول المساق دور وطبيعة التلفاز، الصحف والمجلات، الشبكة (الانترنت)، الأفلام والإذاعة، الهاتف المتحرك، دور كل هذه في عملية الاتصال في محيط ثقافي أو عبر ثقافات متعددة أو التفاعل الثقافي. يفحص الطلاب نماذج حية لوسائل الإعلام المتعددة، وكيف تؤثر على الفكر المعاصر: يعنى المساق بموضوعات مثل: تقنيات الوسائط المتعددة، الفيديو والشبكات السمعية، الصورة، الحوسبة، المؤتمرات ووسائل الاتصال (interface).

405100 مدخل إلى علم النفس - 3 ساعات معتمدة

هذا المساق مقدمة متسعة لمفاهيم وطرائق علم النفس المعاصر. يتبع ذلك تركيز أكثر على الموضوعات الأساسية، والتي تشمل مكونات التعلم والسلوك النفسي والعقلي لدى الإنسان، ويركز المساق خاصة على هذه المواضيع: الذكاء، الوظائف العقلية، النمو، طرائق البحث، أعضاء الإنسان، الإدراك، الإحساس، التحفيز، التعلم، التفكير، الشخصية والسلوك الاجتماعي.