



PSU PRINCE
SULTAN
UNIVERSITY
جامعة الأمير سلطان ، كلية البنائ

DEPARTMENT OF
Interior Design
Courses Catalog

ARABIC COURSES

ARAB 101

Arabic Writing I

Credits: 2 (L2,T0,Lab0)*. Prerequisite: none

This is the first part of university-level Arabic writing course. The course aims at providing the student with a detailed knowledge of Arabic grammar, usage, punctuation and paragraphing in order to improve his writing skills. The student is given practice in writing simple sentences, and combining them into compound and complex sentences using punctuation marks. The course seeks to improve the students writing abilities and style. This includes writing long paragraphs and whole essays. Students are required to write several essays, both in and out of class, in addition to one research paper.

ARAB 103

Arabic Writing II

Credits: 2 (L2,T0,Lab0)*. Prerequisite: ARAB 101.

This second-level Arabic writing course aims at providing students with the skills necessary for scientific and technical writing style. This includes learning certain skills necessary for technical and scientific writing of reports, formats, definitions, descriptions, explaining processes, and establishing comparisons. Students are asked to make at least two oral presentations, as well as a number of written assignments in and out of class.

ARAB 203

Arabic Writing III

Credits: 2 (L2, T0,Lab 0)*. Prerequisite: ARAB 103

This course focuses on developing practical Arabic language skills for those students preparing to study and work in scientific and technological fields as well as in fields of business. Its various teaching units are meant to build on writing skills already acquired in previous courses, namely Arab 101 and Arab 103. Therefore the course aims to provide exercise materials on formal aspects of language, such as grammar and vocabulary associated with the Arabic used in science, technology, computer, and business. It is also designed with the aim of developing the student abilities to express in Arabic the concepts involved on studying those subjects.

ENGLISH COURSES

ENG 101

English Writing I

Credits: 3 (3,0,0).

This first college-level writing course is designed to provide students with basic skills

necessary for writing in general. It focuses on writing essays using various rhetorical methods and devices such as narration, description, persuasion, and argumentation.

Students are required to write several essays, both in and out of class, in addition to one research paper.

ENG 103

English Writing

Credits: 3 (3,0,0). Prerequisite: ENGL 101. ,

This second-level writing course is designed to provide students with the skills

necessary for writing technical and scientific reports. This includes learning certain skills necessary for technical and scientific writing styles and format, including making definitions, describing functions, explaining processes, establishing comparisons, as well as analyzing diagrams. This requires making the student acquainted with aspects of linguistic structures commonly used in scientific language register, such as the use of subordinate clauses, the passive construction, reported speech, different verb modalities ,etc . students are asked to make two oral presentations at least, as well as a number of written assignments in and out of class.

INTERIOR DESIGN COURSES

IDE 101 Introduction to Interior Design

Credits: 3 (L3,S0)*. Prerequisite: 0

This course provides an overview of the interior design profession and its relationship to allied fields. Students become familiar with contemporary issues and approaches to include space planning, furnishing and material selection in a historical context.

IDE 102 Foundation of 2D Design

Credits: 5 (L1,S4)*. Prerequisite: 0.

This is a basic course in the fundamentals of form and design. It

Includes theory and practice of two-dimensional design incorporating concepts and terminology related to point, line, shape, value, texture positive-negative space, size and scale.

IDE 103 Foundation of Drawing

Credits: (L1,S4). Prerequisite: Arts 101

In this course, students will explore fundamentals of drawing. Acquiring skills through exercises in sketching, rendering, perspective and tonal compositions. Pencil and pen and ink will be stressed

IDE 104 Interior Design Studio 1: Drafting

Credits: (L1,S4). Prerequisite: 0

This course provides drafting and print reading experiences designed to meet the professional needs of students concentrating in Interior design. Perspective, orthographic projections, measurements and presentation of architectural drawing will be covered.

IDE 201 Foundations of 3D Design

Credits: (L1,S4). Prerequisite: 0

This is an introduction to the concepts and processes of 3 Dimensional Design. This course investigates form, space and volumetric organization. Definition of space through line, manipulation of mass, volume and void and the use of structural systems will be applied.

IDE 202 Foundations of Color

Credits: (L1,S4). Prerequisite: 0

This is a basic course in the fundamentals of color and design.

Exercises will include detailed study of color wheels, color theory

And application of color principles.

IDE 203 Painting Studio 1

Credits: (L0,S3). Prerequisite: IDE 202

This class introduces students to techniques, materials and applications used in painting. Rendering interior space, traditional painting methods and contemporary approaches will be explored.

IDE 204 Interior Design Studio 2-Residential Design

Credits: (L1,S4). Prerequisite: IDE 101,102,103,104,201,202

Class will focus on the practice of problem solving related to functional issues of residential design. Emphasis will be placed on environmental factors, orientation, design theory, space planning, lighting, fabrics and furnishings. A project developing conceptual phases to finished design will be presented.

IDE 205 Materials, Resources and Textiles for Interiors

Credits: (L2,S2). Prerequisite: IDE 101, 102, 103, 104, 201, 202, 204

Students will study the principles used in the selection of appropriate materials, resources and textiles used for Interior design presentations.

IDE 206 Graphic Design 1

Credits: (L3,S0). Prerequisite: IDE 102

This course focuses on graphic design issues for signage, print media and design displays. Trademarks, type, layout, grid systems, advertising, corporate identity for designers and display and exhibition projects will be suggested.

IDE 207 Building Construction

Credits: (L3,S0). Prerequisite: 0

This course covers the basics of structural design and building construction relevant to interior design. Students develop and understanding of building materials, and their function as structural elements. Building products, codes and safety applications will be covered.

IDE 209 Portfolio Preparation / Presentation

Credits: (L2,S0). Prerequisite: IDE 102, 103, 104, 201, 202, 204, 205

This course is designed to assist students in developing a high standard of professional portfolio-ready work refined into a visual presentation accompanied by oral communication skills.

IDE 301 History 1-History of Interior Architecture

Credits: (L3,S0). Prerequisite: IDE 010

This course covers historical developments of interior architecture and decorative arts within a social, cultural, economic, political and technological context. Part 1 covers ancient time through the 18th century. Emphasis focused on Italy, France, England, Germany, Islamic countries.

IDE 302 Human Factors

Credits: (L3,S0).. Prerequisite: Junior-level standing

This course analyzes space and behavior within a cultural context. Students examine the theoretical foundations and concepts from environmental and human behavior as applied to design and design process.

IDE 303 Interior Design Studio 3– Working Drawings

Credits: (L1,S4). Prerequisite:0

This course focuses on technical aspects of interior design focusing on construction techniques, building systems, and finishes.

IDE 304 Computer Aided Design (CAD)

Credits: (L1,S4). Prerequisite: IDE 304

This course is an introduction to computer aided design for interior designers. Overview of construction drawing formats and principles while learning to develop plans, elevations and sections.

IDE 305 Lighting, Acoustics, AC

Credits: (L3,S4). Prerequisite: IDE 104, 204, 303

This course looks at the role of illumination, methods and lighting and mechanical systems in the design of interior space. Emphasis is placed on color and light, illumination aesthetics, human behavior response to light

IDE 306 Saudi Arabia Architectural Heritage

Credits: (L2,S2). Prerequisite: IDE 103, 104, 202, 205, 301

This course covers interior architecture and decorative arts within a cultural context of architecture and urban planning within the Kingdom of Saudi Arabia. Ancient times through the 20th Century will be illustrated.

IDE 307 Graphic Design 2

Credits: (L0,S3). Prerequisite: IDE 102, 206

This course integrates advanced skills in graphic design theory and practice to include digital manipulation of photography, surface design and printmaking techniques will be covered.

IDE 308 Islamic Ornamentation

Credits:(L1,S4). Prerequisite: 0

This theory/studio course will guide students through Islamic design. Theory will focus on decorative patterns and motifs that distinguish this illustrious period of architecture. Islamic ornamentation and geographic origin will be considered to include Turkish, Persian, Indian, Moroccan, Spanish and Egyptian. Students will learn how Islamic ornamentation has influenced interiors and furnishings. The studio application will demonstrate applications of Islamic geometry.

IDE 309 Interior Landscaping

Credits: (L3,S0). Prerequisite: IDE 204

This course is a general overview of the history and theory of landscape architecture. Students will be introduced to the process of planning environmental interiorscapes from program formulation to implementation. The synthesis of environmental factors and social concerns shaping the domestic issues in Saudi Arabia will be included.

IDE 310 Photography

Credits:(L1,S4). Prerequisite: JR

This course is designed for Interior Design majors. It covers the fundamentals of photographic image making, aesthetics, and history.

Instruction in camera use, darkroom techniques, composition, lighting and design elements will be emphasized

IDE 311 Interior Design Studio 4 Intermediate Design

Credits: (L2,S6). Prerequisite: JR-level

Research, design analysis and problem solving are applied to multi-functional use projects to include residential and hospitality space.

Functional and aesthetic problems will be addressed with an emphasis on presentation techniques.

IDE 401 Furniture Design and Interior Treatments

Credits: (L2,S2). Prerequisite: IDE 205, 304,305,402,405

Study and design of custom furniture for interior spaces will be covered. Familiarity with materials, joinery and mill work along with cost estimating, specifications and workroom process for casework

And window treatments will be stressed. Restoration will also be discussed.

IDE 402 History 2-History of Contemporary Interior Architecture

Credits: . Prerequisite: IDE 301

PRE This course covers design theory and practice in Europe and the United States from the mid 19th Century to the Modern Movement. Students will study technological advances, products and methods and historical perspectives in the context of interior architecture, furniture, design philosophies.

IDE 403 Advanced Lighting Techniques

Credits: (L3,S0) Prerequisite: IDE 104, 204, 303, 305

This advanced lighting techniques course explores lighting conditions in local built spaces and analyzes functionality and effectiveness

Lighting calculations, photometric measurements, new types of lighting available, impact of code compliances and budget estimating will be considered.

IDE 404 Business Principles and Practices

Credits: (L3,S0). Prerequisite: IDE 405

This class deals with common situations associated with Interior design practice such as business and office practice, estimates and contract preparation, professional ethics, marketing, public relations and hiring skills.

IDE 405 Interior design Studio 5-Advanced Design

Credits:(L1,S8). Prerequisite: IDE 305, 311

This course introduces students to complex building types, to include public and residential design problems . Issues related to client needs and synthesis in terms of design, functionality, value and safety will be addressed.

IDE 406 Interior Design Studio 6– Senior Project

Credits: (L1,S10). Prerequisite: IDE 405

This is the final studio and focuses on multi dimensional aspects of Analyzing studio problems of advanced complexity. A focus will be on creativity and its integration into previous experiences utilizing Systematic design methodologies, research, programming, estimating, detailing all phases of the design process.

IDE 407 Building Services Integration

Credits: (L3,S0) Prerequisite: IDE 207, 305

This course introduces students to structural systems (skeleton, pre-cast, load bearing) mechanical systems (elevators, HVAC, sanitation)

Electrical systems (lighting, acoustics, power) in addition to safety and fire protection systems. Students will assess the best approaches to systems and services integration that correspond to user need and economic feasibility.

Application of system integration methods in realistic situations, translated in the studio as well as in professional practice is stressed.

IDE 408 Advanced CAD—Modeling and Graphics

Credits: (L1,S4). Prerequisite: IDE 303, 304

In this course, students will develop computer design techniques utilizing three dimensional computer modeling, graphics, animation, virtual reality to add dimension to design projects.

ISLAMIC CULTURE COURSES

ISC 101

Islamic Ethics

Credits: 2 (2,0,0).

This course aims at defining the concept of ethics and its importance to human life. It also touches upon related areas, such as, the origins of morals and ethics~ types of human behavior and their motives, human ethics and their purposes. It also defines the various categories and classifications of ethical behavior, the degrees of ethics, the types and manifestations of vice, and how the Holy Quran and the Sunnah honor, purge and exalt the human soul. The course also offers examples of ethical behavior such as, truthfulness, honesty, faithfulness, modesty, benevolence and good conduct.

ISC 103

Islamic Economic System

Credits: 2 (2,0,0).

The course aims at expounding the Islamic economic system and shows how to

implement it in our daily affairs. It also touches upon Islamic economic system in its relationship to Islamic Law, in its handling of modern economic problems, as well as its views on property, ownership, inheritance, and economic welfare. The course also compares Islamic solutions to modern economic problems with those of other secular

economic systems. Issues like, production., distribution, consumption, contracts, finances are also treated from an Islamic point of view.

ISC 105

Holly Quran Sciences

Credits: 2 (2, 0, 0). Prerequisite: None.

This course aims at introducing the Quranic sciences, and what kinds should be studied, so as to expose the student to the correct concept of the holy Quran, in order to apply it correctly, as the accepted science is which in conformity with the reason, and the rejected one is not pursuant to it. The most important requisites of the knowledge of the Quranic sciences is the awareness of its interpretation, the perception of its miraculous aspects, knowing its flawless, ambiguity, abrogation, abrogated, absolute, restricted, and other aspects of its eloquence. Without studying the above subjects the study of the holy Quran will be inadequate and the student will be deprived of a lot of knowledge.

ISC 203

New Financial Transactions

Credits: 2 (2, 0, 0). Prerequisite: None.

The company, as a type of contracts, arised a long time ago, to meet the needs of the people. The development of social life led to different kinds of companies and contracts, which can be expressed as modern financial transactions, such as partnership company, limited partnership company, joint venture company, joint stock company, limited liability company, mixed economics company, public joint stock company, and insurance company. This is studied in addition to the companies known in the Islamic jurisprudence in the past such as proprietorship company, permission partnership company, all kinds of contracts companies, and speculation company. The course clarifies these modern financial transactions and the viewpoint of the Islamic Shari'a on them.

ISC 205 Family in Islam

Credits: 2 (2,0,0).

This course is designed to deal with the issues related to family building, responsibilities and problems. Among the issues to be dealt with are: choice of future spouse, the marriage contract and its requirements, rights of spouses, parents, children and relatives. The second part of the course deals with Islamic solutions to marital problems, such as divorce, waiting period, alimony and custody of children, giving the rulings of the religion on these matters.

HEALTH PHYSICAL EDUCATION COURSES

HPE 001

Preparatory Health & Physical Education I

Credits: 1 (L1,T 1,Lab 0)*Prerequisite: None

Introduction to Woman's Health

Lecture- The main objective of this course is to introduce the students to health, physical activity and fitness as it relates specifically to women. Reinforcement of the benefits in everyday life is the focus in the curriculum, as is "Physical Activity and Health" (A Report of the Surgeon General) and "Guidelines for Physical Activity" (set by the American College of Sports Medicine). Finally, the body's major systems are introduced focusing on the diseases and illnesses most pertinent to women resulting in their mortality and disability.

HPE 101

Health and Physical Education

Credits: 1 (L0, T0, Lab2) *Prerequisite :HPE 002

Nutrition: Principles For Healthy Living

Lecture- The purpose of this course is to introduce the students to basic nutrition, diet, and proper eating habits essential to women throughout life span, reading food labels, and planning meals.

HPE 102

Health and Physical Education

Credits: 1 (L0, T 0, Lab0)* Prerequisite: HPE 101

This portion of the course is largely based on class participation and attendance. You are expected to actively participate in all physical activities. Attention will be paid to knowledge of the sport or activity being presented, as well as the skill and attitude of the student.

OTHER COURSES

ACC 101

Introduction to Financial Accounting

Credits: 3 (L3,T1,Lab0)*.

This course introduces the student to the basic accounting concepts, the operation of accounting systems, and the preparation and interpretation of financial statements in business firms. Topics include the need for accounting information, concepts underlying the preparation of financial statements in business firms, the accounting cycle, and other measurement and disclosure issues.

ART 101 Art Appreciation

Credits: (L3,S0). Prerequisite:

This survey course traces the development of art from the Stone Age to the present day. Art techniques through the ages to show students the methods used. Arts in Time covers historical, social and political developments of art.

COM 201

Communication Skills

Credits: 3 (L3,T0,Lab0)*. Prerequisite: ENGL 103.

The course is designed to familiarize students with the processes of communication in interpersonal, organizational, mass and inter-cultural contexts. Topics covered include: communication paradigms, perceptual processes, personal and professional relationships. The course also includes materials related to verbal and non-verbal communication, communication technology, and the role communication plays in culture. The main objectives of the course are: (1) understanding the theoretical principles underlying effective communication behavior; and (2) practical application of those principles in various communicative exercises.

ETHC 301

Business Ethics

Credits 3 (L3, T3, Lab0)* Prerequisite: none

Course Description:

This course will examine business ethics and their relationship to the social, political, and business environments. The course is built on two major themes: business ethics and corporate social responsibility. Discussion will provide a setting for a through analysis of environmental and societal problems as they relate to business, and direct students' attention to the strong need for sound business ethics in addressing business, environmental, and social issues. A major goal of the course is to provide students with a set of parameters by which they

can develop ethical decision making skills

ETHC 303**Ethical & Social aspects of computing**

Credits 3 (L3, T1, Lab0)* Prerequisite: CS 210

The course concentrates on the theory and practice of computer ethics. The aim of the course is to study the basis for ethical decision-making and the methodology for reaching ethical decisions concerning computing matters.

PHY 105**Physics I**

Credits: 4 (L3, T0, Lab 2)*. Prerequisite: None.

Physics and Measurement, Motion in One Dimension, Vectors, Motion in Two Dimensions, The Laws of Motion, Circular Motion and Other Applications of Newton's Laws, Work and Energy, Potential Energy and Conservation of Energy, Temperature, Heat and The First Law of Thermodynamics.

PHY 205**Physics II**

Credits: 4 (L3, T0, Lab 2)*. Prerequisite: None.

Electric Fields, Gauss's Law, Electric Potential, Capacitance and Dielectrics, Current and Resistance, Direct Current Circuits, Magnetic Fields, Sources of Magnetic Field, Faraday's Law, Inductance, Alternating Current Circuits.

PSY 101**Introduction to Psychology**

Credits: 3 (L3, T0, Lab0)*.

This course will survey the various fields of psychology. Topics include learning, cognition, personality, motivation, perception, development, social interaction, and abnormal behavior. The course will also explore current approaches to psychology demonstrating how the biological, cognitive, and socio-cultural approaches to psychology combine to provide a comprehensive view of human behavior.

IR 101 Information Resources

Credits: 3 (L3, T0, Lab0).

This course will introduce students to modern methods of information resources. These methods consist of employing the Internet, using digital libraries, and knowing the traditional methods of research.

SCI 101**Introduction to Physical Science**

Credits: 3 (L3, T0, Lab0)*. Prerequisite: None.

Surveying physical sciences such as physics, chemistry, earth science, and astronomy, The fundamental components of space, time, matter, and energy, as well as the scientific methods.

STAT 101**Introduction to Statistics and Probability Theory**

Credits 3 (L3, T0, Lab0)* Prerequisite: STAT 101

The course includes the following material:

· Random Variables and Presentation of Data in Tables and Graphs. Descriptive Statistics using those tools. Numerical Measures of Central Tendency, and Variability. Chebyshev's Inequality and the Empirical Intervals of Confidence. Scatter Plots and Measure of Covariance and Correlation.

· Events, and Probability Theory. Bayes Theorem in Probability. Discrete Distributions. Continuous distributions and the Normal curve. Use of the Normal distribution as an approximation to some discrete Distributions using the Law of Large Numbers.

· Sampling Plans and Techniques. Questionnaires and Protocols. The Central Limit Theorem. Estimators from Large and from Small Samples. Properties of Good Estimators.

· Non-Parametric Tests. The Sign Test for Paired Experiments. Normal approximation for Signed Rank Test.

* L- Lecture T- Tutorial Lab S- Studio