ART

ARTS 2A INTRODUCTION TO DRAWING 3.0 Units

Introduction to principles, elements, and practices of drawing, employing a wide range of subject matter and drawing media. Focus on perceptually based drawing, observational skills, technical abilities, and creative responses to materials and subject matter.

Day 20057		TTh	2:00 - 2:50	501	Staff - LP	08/26 12/20	OP D01
	Lab	TTh	3:00 - 5:05	501		08/26 12/20	OP
Day 20058		MW	2:00 - 3:00	501	Staff - LP	08/26 12/20	OP D02
	Lab	MW	3:00 - 5:05	501		08/26 12/20	OP

ART-HISTORY

ARHS 1 INTRO TO ART HISTORY 3.0 Units

Architecture, sculpture, painting, photography and design in relation to human inventiveness in providing for material and aesthetic needs. This course provides a general introduction to art that offers a look at works of art through the study of theory, terminology, themes, design principles, media, techniques, with an introduction to art that offers a look at works of art through the study of theory, terminology, themes, design principles, media, techniques, with an introduction to the visual arts across time and diverse cultures. 3 hours lecture. Strongly Recommended: Eligibility for ENG 1A

Day 20059		MW	11:00 -12:25	1007	Staff - LP	08/26 12/20	OP D01

BIOLOGICAL SCIENCES

BIO 30 INTRO TO COLLEGE BIOLOGY 4.0 Units

Basic principles of biology. Cell structure and function, cell division, cell metabolism, reproduction, genetics, taxonomy, origin of life, and evolution. Laboratory emphasis on developing various laboratory skills, using the metric system, collecting data, graphing, interpreting data, and preparing for and taking laboratory exams. Designed to prepare the necessary concepts and laboratory skills and experience that are needed to succeed in more advanced courses in biology. (Note: Formerly BIOL 31.) Strongly Recommended: MATH 110 or MATH 110B and Eligibility for ENG 1A

Day 20043		TTh	12:30 - 1:55	ONLINE	Staff - LP	08/26 12/20	GR B01
	Lab	Tue	2:00 - 3:00	ONLINE		08/26 12/20	GR
	Lab	By Arr	2.3 Hrs/Wk	ONLINE		08/26 12/20	GR
Day 20045		TTh	8:00 - 9:25	ONLINE	Staff - LP	08/26 12/20	GR H01
	Lab	Mon	8:00 -11:10	1851		08/26 12/20	GR
Eve 20044		TTh	5:00 - 6:25	tba	Staff - LP	08/26 12/20	GR E01
	Lab	Tue	6:30 - 9:40	tba		08/26 12/20	GR

BUSINESS

BUSN 40 INTRODUCTION TO BUSINESS 3.0 Units

A multidisciplinary examination and introduction to business operations within the U.S. and internationally. Provides an overview of global economic systems, business formations, business ethics and laws, general accounting practices and financing, facility location and layout, production, organizational structures and management functions. Fundamentals of risk management, marketing, human resources, and employee motivation are covered. Demonstrates how culture, society, and external business environments impact a business' ability to achieve its organizational goals. Strongly Recommended: ENG 1A

Day 20046		MW	11:00 -12:25	2420	Staff - LP08/26 12/20 OP	HF1
Eve 20047		Wed	6:00 - 7:50	1058	Staff - LP08/26 12/20 OP	H01
		By Arr	2.0 Hrs/Wk	ONLINE	08/26 12/20 OP	

CHEMISTRY

CHEM 1A GENERAL COLLEGE CHEMISTRY I 5.0 Units

Introduction to atomic structure, bonding, stoichiometry, thermochemistry, gases, matter and energy, oxidation-reduction, chemical equations, liquids and solids, solutions, chemical energetics and equilibrium. Laboratory includes both quantitative and qualitative experiments. Prerequisites: Mathematics 55 or 55B and Chemistry 31 (all courses completed with a grade of "C" or higher). The Chemistry 31 prerequisite can be fulfilled by demonstrating the appropriate skill level in the Chemistry Placement Process.

Day 20048		MW	8:00 - 9:25	1872	Staff - LP08/26 12/20 GR	D02
	Lab	TTh	7:50 -10:55	1802	08/26 12/20 GR	
Day 20049	Lab	MW	2:30 - 5:35	1802	Staff - LP08/26 12/20 GR	D05
		TTh	3:30 - 4:55	1871	08/26 12/20 GR	
Eve 20050		MW	5:00 - 6:25	1816	Staff - LP08/26 12/20 GR	E01
	Lab	MW	6:30 - 9:35	1802	08/26 12/20 GR	

COMPUTER SCIENCE

CS 1 COMPUTING FUNDAMENTALS I 4.0 Units

Introduction to programming and problem-solving using C++. Problem solving techniques and algorithms; program design, development, style, testing and debugging. C++ syntax covered includes: variables; data types; operators and expressions; control structures; library and user- defined functions; basic file input/output; binary file input/output; arrays; vectors; abstract data types including user-defined data structures and enumerated data types. Strongly Recommended: MATH 107 and CS 7 with a minimum grade of C

Day 20051		TTh	11:00 -12:25	21203	Staff - LP08/26 12/20 OP	D02
	Lab	TTh	12:30 - 1:55	21203	08/26 12/20 OP	
Eve 20052		TTh	6:30 - 7:55	21203	Staff - LP08/26 12/20 OP	E01
	Lab	TTh	8:00 - 9:25	21203	08/26 12/20 OP	

ENGINEERING

ENGR 1 INTRODUCTION TO ENGINEERING 2.0 Units

Introduction to careers, activities, and topics related to the field of engineering, including computer applications to design and problem solving. Strongly Recommended: Eligibility for ENG 1A/1AEX with a minimum grade of C

Day 20053	MW	12:30 - 1:30	1826	Staff - LP08/26 12/20	OP	D01
Eve 20054	Wed	5:00 - 7:05	1056	Staff - LP08/26 12/20	OP	VT1

ENGLISH

ENG 1A CRITICAL READING AND COMP 3.0 Units

Integrated approach to reading, writing, and critical thinking intended to develop ability to read and write complex, college-level prose. Examination of ideas in relation to individual's worldview and contexts from which these ideas arise. Some research required. Prerequisite: Eligibility for college-level composition as as determined by college assessment or other appropriate method.

Day 20070	MW	11:00 -12:25	21111	Staff - LP08/26 12/20	GR	D01
Lab	Wed	12:30 - 1:30	21111	08/26 12/20	GR	
Day 20069	MW	9:30 -10:55	tba	Staff - LP08/26 12/20	GR	H01
Lab	By Arr	1.3 Hrs/Wk	tba	08/26 12/20	GR	
Day 20071	TTh	9:30 -10:55	21114	Staff - LP08/26 12/20	GR	H03
Lab	By Arr	1.3 Hrs/Wk	ONLINE	08/26 12/20	GR	

FIRE SERVICE TECHNOLOGY

FST 1 FIRE PROTECTION ORGANIZATION 3.0 Units

This course provides an overview to fire protection and emergency services, career opportunities in fire protection and related fields, culture and history of emergency services, fire loss analysis, organization and function of public and private fire protection services, fire departments as part of local government, laws and regulations affecting the fire service; fire service nomenclature, specific fire protection functions, basic fire chemistry and physics, introduction to fire protection systems, introduction to fire strategy and tactics, and life safety initiatives.

Day 20055	Tue	9:00 -12:10	1011	Staff - LP08/26 12/20	GR	D01

FST 3 FIRE BEHAVIOR AND COMBUSTION 3.0 Units

Theory and fundamentals of why fires start, spread, and are controlled. An in-depth study of fire chemistry and fire physics, characteristics of materials, extinguishing agents, and fire control techniques.

Day 20056	Th	10:30 - 1:40	1060	Staff - LP08/26 12/20	GR	HF1

MATH

MATH 1 CALCULUS I 5.0 Units

An introduction to single-variable differential and integral calculus including: functions, limits and continuity; techniques and applications of differentiation and integration; the Fundamental Theorem of Calculus; areas and volumes of solids of revolution. Prerequisite: MATH 30 and MATH 39 or MATH 38 with a minimum grade of C

Day 20067		MW	2:00 - 4:30	1001	Staff - LP08/26 12/20 GR		D05
Eve 20068		MW	6:30 - 9:00	1060	Staff - LP08/26 12/20 GR		HF1

MATH 30 COLLEGE ALGEBRA FOR STEM 4.0 Units

College algebra core concepts relating to Science, Technology, Engineering and Mathematics (STEM) and Business fields are explored, such as: polynomial, rational, radical, exponential, absolute value, and logarithmic functions; systems of equations; theory of polynomial equations; and analytic geometry. Multiple representations, applications and modeling with functions are emphasized throughout. Prerequisite: Intermediate Algebra or a higher level of mathematics.

Day 20060		Tue	2:00 - 4:25	1001	Staff - LP08/26 12/20 GR		D06
		Th	2:00 - 3:25	1001	08/26 12/20 GR		
	Lab	Th	3:30 - 4:25	1001	08/26 12/20 GR		
Day 20062		Mon	12:30 - 2:55	21117	Staff - LP08/26 12/20 GR		X03
		Wed	12:30 - 1:55	21117	08/26 12/20 GR		
	Lab	Wed	2:00 - 2:55	21117	08/26 12/20 GR		
Eve 20061		Mon	5:00 - 7:25	1002	Staff - LP08/26 12/20 GR		HF5
		Wed	5:00 - 6:25	1002	08/26 12/20 GR		
	Lab	Wed	6:30 - 7:20	1002	08/26 12/20 GR		

MATH 40 STATISTICS AND PROBABILITY 4.0 Units

Descriptive statistics, including measures of central tendency, dispersion and position; elements of probability; confidence intervals; hypothesis tests; two-population comparisons; correlation and regression; goodness of fit; analysis of variance; applications in various fields. Introduction to the use of a computer software package to complete both descriptive and inferential statistics problems. Prerequisite: Intermediate Algebra or a higher level of level of mathematics.

Day 20066		Tue	9:30 -11:55	1002	Staff - LP08/26 12/20 GR		D02
		Th	9:30 -10:55	1002	08/26 12/20 GR		
	Lab	Th	11:00 -11:55	1002	08/26 12/20 GR		
Day 20063		Mon	11:00 - 1:25	2416	Staff - LP08/26 12/20 GR		D03
		Wed	11:00 -12:25	2416	08/26 12/20 GR		
	Lab	Wed	12:30 - 1:25	2416	08/26 12/20 GR		
Day 20065		Tue	2:00 - 4:25	2414	Staff - LP08/26 12/20 GR		D06
		Th	2:00 - 3:25	2414	08/26 12/20 GR		
	Lab	Th	3:30 - 4:25	2414	08/26 12/20 GR		
Day 20064		Tue	3:30 - 4:55	21117	Staff - LP08/26 12/20 GR		X04
		Th	3:30 - 5:55	21117	08/26 12/20 GR		
	Lab	Tue	5:00 - 5:55	21117	08/26 12/20 GR		