GENERAL EDUCATION



BIOLOGY

GENERAL BIOLOGY

In this introductory course, students explore the basic biological principles that describe and explain the nature of life. Topics include cell biology, molecular biology (including basic biochemistry and DNA structure and function), metabolism, and genetics. Students practice skills in both the classroom and the laboratory through group exercises, laboratory activities, quizzes, and exams. Purchase class materials in the RTC Bookstore prior to the first class.

BIOL& 160 G502	5 credits		H201
1/4-3/25	2:45PM- 4:45PM	MTh/Lecture	STOVER
	2:45PM- 4:45PM	W/Lab	F101
BIOL& 160 G504	5 credits	H306	
1/4-3/25	5:30PM- 7:30PM	MW/Lecture	STOVER
	5:30PM- 7:30PM	Th/Lab	F101
BIOL& 160 W460	5 credits		ONLINE
1/4-3/25	ARR	ARR	COLLIN-CLAUS
1/23, 2/20, 3/13	8:00AM-12:00PM	Sat/Lab	STOVER

MICROBIOLOGY

Microbiology is a comprehensive course introducing classification, structure, and function of microbes. Focus includes disease causing bacteria, viruses, protozoa and fungi. The role of this microorganism in nature, environmental impact, and health applications are covered. Laboratory is an integral component, which includes training on microscopes, slide prep, aseptic technique transfer/inoculation of bacteria, use of various media to select, isolate, and characterize organisms. Prerequisite: completion of BIOL& 160 with a 2.0 or higher.

BIOL& 260 G530	5 credits		J306
1/5-3/25	5:30PM- 7:30PM	TTh/Lecture	YANG Z
	5:30PM- 7:30PM	W/Lab	J306
BIOL& 260 W428	5 credits		ONLINE
1/4-3/25	ARR	ARR	ACAR B
1/23, 2/20, 3/13	8:00AM-12:00PM	Sat/Lab	J306

INTRODUCTION TO ANATOMY AND PHYSIOLOGY

This course provides students with an introduction to the basic concepts of anatomy and physiology. It includes organization, classification and control of anatomical structures and an introduction to the major body systems. The course covers some medical terminology and introduces some concepts from chemistry and biochemistry. This course is intended for non-science majors or entry-level allied health majors.

BIOL 100 G520	5 credits		H201
1/5-3/25	12:30PM- 2:30PM	TTh/Lecture	STOVER
	12:30PM- 2:30PM	W/Lab	F101/BENSON
BIOL 100 G510	5 credits		H306
1/4-3/24	8:00AM-10:00AM	MW	STOVER
	8:00AM-10:00AM	T/Lab	F101/BENSON
BIOL 100 W434	5 credits		ONLINE
1/4-3/25	ARR	ARR	STOVER
1/23, 2/20, 3/13	1:00PM-5:00PM	Sat/Lab	F101

HUMAN ANATOMY AND PHYSIOLOGY I

This is the first of two classes designed for students who want to enter professional health care programs. It is a study of the gross anatomy and functioning of the human body. Covers body organization, cellular structure and function, fundamentals of chemistry and the physiology, structure and function of all the body systems. Lab includes microscopic tissue studies, dissection, work with ADAM software, and physiology projects related to the systems studies. Prerequisite: completion of BIOL& 160 with a 2.0 or higher.

BIOL& 241 G506	5 credits		H306
1/5-3/25	1:30PM- 3:30PM	TTh/Lecture	BOATWRIGHT
	1:30PM- 3:30PM	F/Lab	F101/STOVER
BIOL& 241 W440	5 credits		ONLINE
1/4-3/25	ARR	ARR	BOATWRIGHT
1/30, 2/27, 3/13	8:00AM-12:00PM	Sat/Lab	F101

HUMAN ANATOMY AND PHYSIOLOGY II

This is the second of two classes designed for students who want to enter professional health care programs. It is a study of the gross anatomy and functioning of the human body. Covers body organization, cellular structure and function, fundamentals of chemistry and the physiology, structure and function of all the body systems. Lab includes microscopic tissue studies, dissection, work with ADAM software, and physiology projects related to the systems studied. Prerequisite: completion of BIOL& 241 with a 2.0 or higher.

BIOL& 242 G526	5 credits		H201
1/4-3/25	11:30AM- 1:30PM	MTh/Lecture	BABEL
	11:30AM- 1:30PM	W/Lab	F101
BIOL& 242 W442	5 credits		ONLINE
1/4-3/25	ARR	ARR	BOATWRIGHT
1/30, 2/27, 3/13	1:00PM-5:00PM	Sat/Lab	F101

HUMAN ANATOMY AND PHYSIOLOGY I & II (LINKED)

This class combines the content from BIOL& 241 and 242 into a ten-credit unit. The order in which the material is taught however can vary and grades for both classes will be assigned at the end of the quarter.This course is very intensive and should only be considered by students who are well prepared and have considerable study time available to them. Students pay for both classes at the time they register. Prerequisite: completion of BIOL& 160 with a 2.0 or higher.

BIOL& 241 G518	5 credits		H306
1/5-3/25	9:00AM- 1:00PM	TTh/Lecture	BOATWRIGHT
	9:00AM- 1:00PM	M/Lab	F101
BIOL& 242 G528	5 credits		H306
1/5-3/25	9:00AM- 1:00PM	TTh/Lecture	BOATWRIGHT
	9:00AM- 1:00PM	M/Lab	F101

CHEMISTRY

GENERAL CHEMISTRY

This introductory course discusses the basic concepts in general and inorganic chemistry. It is designed to prepare students for coursework in health sciences or more advanced scientific coursework by laying the foundation of the most 'elemental' science - chemistry. Topics covered range from the nature of atoms to chemical reactions and include homework, laboratories, exams and group exercises. Prerequisite: placement into MATH 095 or completion of MATH 085 with a 2.0 or higher.

CHEM& 140 G522	5 credits		H201
1/4-3/25	8:30AM-10:30AM	MW/Lecture	BABEL
	8:30AM-10:30AM	Th/Lab	F101/BABEL

ENGLISH

WRITING IMPROVEMENT I

Learn how to make your writing sizzle by improving your basic sentence structure.This course is designed to help you write a wide variety of strong sentences as well as maximize your knowledge of grammar basics. Instruction includes daily writing and use of technology to assist writer in improving their writing skills.

ENGL 080 G180	3 credits		C103
1/4-3/22	2:45PM- 4:00PM	MW	CAMERON
ENGL 080 G184	3 credits		H203
1/5-3/25	6:00PM- 8:00PM	TTh	HIGGINS

WRITING IMPROVEMENT II

This writing improvement course helps students improve their composition skills by concentrating on paragraph construction. Paragraphs provide the foundation necessary for college level writing. The coursework assists students to move from sentences to paragraphs and prepares them for writing papers and reports.

ENGL 090 G190	4 credits		C103
1/4-3/22	2:45PM- 5:00PM	MW	CAMERON
ENGL 090 G192	4 credits		H203
1/5-3/25	6:00PM- 7:30PM	TTh	HIGGINS

APPLIED COMPOSITION

This practical writing course assists students with academic writing. The class incorporates journal summaries and basic essay formats to help students build on their sentence and paragraph strengths to be successful in college-level writing. This class assists students in moving their writing forward through practice.

ENGL 100 G100	5 credits		C103
1/4-3/22	2:45PM- 5:30PM	MW	CAMERON
ENGL 100 G102	5 credits		H203
1/5-3/25	6:00PM- 8:00PM	TTh	HIGGINS
ENGL 100 W412	5 credits		ONLINE
1/4-3/25	ARR	ARR	HIGGINS

ENGLISH COMPOSITION

This is a college level writing course in which students learn to write essays that explain ideas, argue for a position, and evaluate information. Students write draft essays based on personal experience and information gathered from a variety of resources. Students revise and edit their draft essays based on constructive comments offered by their peers and by their instructor. Upon successful completion of the course, students are able to write essays (of at least 1,000 words) demonstrating the conventions of standard written English. Prerequisite: COMPASS score of 75 or higher or completion of ENGL 100 with a 2.0 or higher. Basic computer and keyboarding skills strongly recommended.

ENGL& 101 G132	5 credits		C103
1/4-3/24	10:45AM- 1:15PM	MW	CAMERON
ENGL& 101 G182	5 credits		C103
1/5-3/25	8:30AM-10:30AM	TTh	CAMERON
ENGL& 101 G142	5 credits		H210
1/5-3/25	2:45PM- 5:15PM	TTh	HIGGINS
ENGL& 101 W414	5 credits		ONLINE
1/4-3/25	ARR	ARR	HIGGINS

HISTORY

CONTEMPORARY WORLD ISSUES

Topics will include currently relevant issues such as the rise of Islamic Fundamentalism and American defense policy, the debate between free market and socialist economic theories, globalization and the role of oil and energy technologies, the rise of China and its relations with other Asian countries and the U.S., the ongoing crises in Africa, nuclear proliferation and other weapons of mass destruction. Immigration and demographics will be covered. The role of the United Nations and international law are examined within the framework of evolving ideas about national sovereignty.This course will maintain some flexibility to prioritize emergent issues as the quarter develops.

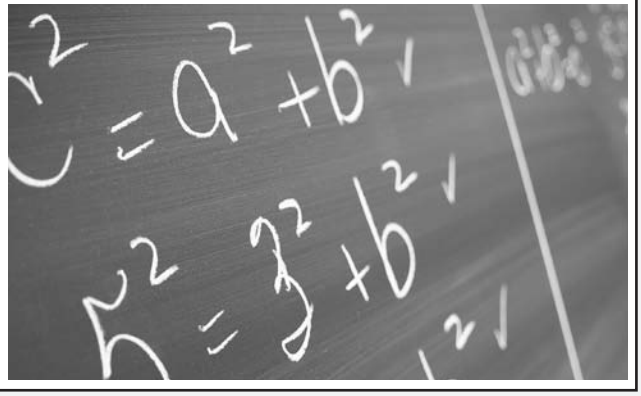
POLS 150 G280	5 credits		C107
1/5-3/25	2:45PM- 5:15PM	TTh	BIGELOW

MATHEMATICS

FUNDAMENTALS OF MATHEMATICS

The course covers addition, subtraction, multiplication, and division of whole numbers, fractions, and decimals. The course also includes an introduction to percentages, ratio and proportion, estimation and solving applied math problems.

MATH 065 G216	5 credits		H301
1/4-3/24	8:00AM-10:30AM	MW	COOKSEY
MATH 065 G252	5 credits		H301
1/4-3/25	2:45PM- 5:15PM	MW	STAFF
MATH 065 G200	5 credits		H206
1/5-3/25	2:45PM- 5:15PM	TTh	WALL
MATH 065 G232	5 credits		H206
1/5-3/25	6:00PM- 8:30PM	TTh	WALL



MATHEMATICS

PREALGEBRA

This course lays the foundation for the study of algebra. The topics covered include: whole number operations, fractions, decimals, percents, ratio and proportion, signed numbers, geometry, units of measurements, graphs, and statistics. This class is taught either in traditional lecture mode or through individually tailored, interactive computer instruction that provides the student's primary method of learning, with the instructor available to assist students on an individual basis during the class period. Prerequisites: placement by COMPASS or Math Placement Test.

MATH 075 G218	5 credits		H301
1/4-3/24	8:00AM-10:30AM	MW	COOKSEY
MATH 075 G254	5 credits		H301
1/4-3/25	2:45PM- 5:15PM	MW	STAFF
MATH 075 G202	5 credits		H206
1/5-3/25	2:45PM- 5:15PM	TTh	WALL
MATH 075 G234	5 credits		H206
1/5-3/24	6:00PM- 8:30PM	TTh	WALL
MATH 075 W464	5 credits		ONLINE
1/4-3/25	ARR	ARR	WALL

BEGINNING ALGEBRA

This introductory course in algebra covers the following topics: review of selected pre-algebra topics; introduction to set theory and the real numbers; algebraic expressions; linear equations in one variable and their applications; linear inequalities; introduction to graphing; systems of two equations in two unknowns and their applications; systems of inequalities; polynomial operations. This class is taught either in traditional lecture mode or through individually tailored, interactive computer instruction that provides the student's primary method of learning, with the instructor available to assist students on an individual basis during the class period. Prerequisite: completion of MATH 075 with a 2.0 or higher or placement by COMPASS or Math Placement Test.

MATH 085 G222	5 credits		H301
1/4-3/24	8:00AM-10:30AM	MW	COOKSEY
MATH 085 G256	5 credits		H301
1/4-3/25	2:45PM- 5:15PM	MW	STAFF
MATH 085 G206	5 credits		H206
1/5-3/25	2:45PM- 5:15PM	TTh	WALL
MATH 085 G238	5 credits		H206
1/5-3/24	6:00PM- 8:30PM	TTh	WALL

INTERMEDIATE ALGEBRA

This course covers the following topics in algebra: review of selected elementary algebra topics; factoring polynomials; rational expressions; rational exponents and radicals; quadratic equations and complex numbers; functions and their graphs, and various non-linear equations. This class is taught either in traditional lecture mode or through individually tailored, interactive computer instruction that provides the student's primary method of learning, with the instructor available to assist students on an individual basis during the class period. Prerequisite: completion of MATH 085 with a 2.0 or higher or placement by COMPASS or Math Placement Test.

MATH 095 G226	5 credits		H301
1/4-3/24	8:00AM-10:30AM	MW	COOKSEY
MATH 095 G258	5 credits		H301
1/4-3/25	2:45PM- 5:15PM	MW	STAFF
MATH 095 G210	5 credits		H206
1/5-3/25	2:45PM- 5:15PM	TTh	WALL
MATH 095 G242	5 credits		H206
1/5-3/24	6:00PM- 8:30PM	TTh	WALL

MATHEMATICS FOR THE HEALTH SCIENCES

Mathematics for the Health Sciences is an introductory course developed to introduce mathematics concepts related to a variety of fields in the health sciences. The content is designed to promote student success in mathematics and to develop problem-solving skills. Math topics covered include, but are not limited to: whole numbers, fractions, decimals, signed numbers, operations on numbers, ratios and proportions, and percentages. Application topics covered include, but are not limited to: measurement systems (apothecary, household, U.S. customary and metric), conversions between measurement systems using proportions and dimensional analysis, dosage calculations, mixture calculations, body surface area and body weight calculations, solution calculations, and a variety of health-related application problems. Prerequisite: acceptable score on the COMPASS test.

MATH 100 G260	5 credits		J302
1/4-3/24	3:00PM- 6:15PM	MW	LESMEISTER
MATH 100 G250	5 credits		H301
1/5-3/25	6:00PM- 9:00PM	TTh	JOHNSON
MATH 100 W410	5 credits		ONLINE
1/4-3/25	ARR	ARR	JOHNSON

APPLIED MATHEMATICS FOR BUSINESS AND INDUSTRY

This course covers mathematics and its applications in business and industry. Instruction includes coursework in mathematics, with additional time devoted to studying appropriate applications, which vary based on student needs. This class is taught either in traditional lecture mode or through individually tailored, interactive computer instruction that provides the student's primary method of learning, with the instructor available to assist students on an individual basis during the class period. Prerequisities: placement by COMPASS or Math Placement Test.

MATH 101 G220	5 credits		H301
1/4-3/24	8:00AM-10:00AM	MWF	COOKSEY
MATH 101 G264	5 credits		H301
1/4-3/25	2:45PM- 5:15PM	MW	STAFF
MATH 101 G204	5 credits		H206
1/5-3/25	2:45PM- 5:45PM	TTh	WALL
MATH 101 G236	5 credits		H206
1/5-3/24	6:00PM- 9:00PM	TTh	WALL

APPLIED ALGEBRA FOR BUSINESS AND INDUSTRY

This course covers algebra and its applications in a variety of programs. Instruction includes coursework in algebra, with additional time devoted to studying appropriate applications, which vary based on student needs. This class is taught either in traditional lecture mode or through individually tailored, interactive computer instruction that provides the student's primary method of learning, with the instructor available to assist students on an individual basis during the class period. Prerequisite: completion of MATH 075 with a 2.0 GPA or higher or placement by COMPASS or Math Placement Test.

MATH 102 G224	5 credits		H301
1/4-3/24	8:00AM-10:00AM	MWF	COOKSEY
MATH 102 G266	5 credits		H310
1/4-3/24	2:45PM- 5:45PM	MWF	STAFF
MATH 102 G208	5 credits		H206
1/5-3/25	2:45PM- 5:45PM	TTh	WALL
MATH 102 G240	5 credits		H206
1/5-3/24	6:00PM- 9:00PM	TTh	WALL

COLLEGE ALGEBRA

This course covers the following topics: functions and graphing; logarithmic and exponential functions; theory of equations; topics in linear systems of equations; conic sections; topics in linear algebra; induction, sequences and series; combinatorics and probability. This class is taught either in traditional lecture mode or through individually tailored, interactive computer instruction that provides the student's primary method of learning, with the instructor available to assist students on an individual basis during the class period. Prerequisite: completion of MATH 095 with a 2.0 or higher or placement by COMPASS or Math Placement Test.

MATH 110 G228	5 credits		H301
1/4-3/24	8:00AM-10:30AM	MW	COOKSEY
MATH 110 G268	5 credits		H301
1/5-3/24	2:45PM-5:45PM	MW	STAFF
MATH 110 G244	5 credits		H206
1/5-3/24	6:00PM- 8:30PM	TTh	WALL

PRE-CALCULUS I

Elementary functions, their graphs and transformations of their graphs, with applications to mathematical modeling. Examples include linear, quadratic, polynomial, rational, exponential, logarithmic, composite functions, and inverse functions. Prerequisite: completion of MATH 095 with a 2.0 or higher or placement by assessment.

MATH& 141 G230	5 credits	H301	
1/4-3/24	8:00AM-10:30AM	MW	COOKSEY
MATH& 141 G278	5 credits	H301	
1/4-3/24	2:45PM- 5:15PM	MW	STAFF
MATH& 141 G246	5 credits	H206	
1/5-3/24	6:00PM- 8:30PM	TTh	WALL

INTRODUCTION TO STATISTICS

This course is an introduction to statistics and how it may be applied in the analysis of numerical data. It includes the following topics: structure of data sets, central tendency, dispersion, means, standard deviation, correlation, regression, binomial and normal probability distributions, Sampling methods and hypothesis testing. Prerequisite: completion of MATH 095 with a 2.0 or higher, or placement by COMPASS or Math Placement Test.

MATH& 146 G262	5 credits	H301	
1/5-3/25	8:00AM-10:30AM	TTh	COOKSEY
MATH& 146 W426	5 credits		ONLINE
1/4-3/25	ARR	ARR	COOKSEY

NUTRITION

HUMAN NUTRITION

This course provides with information pertaining to the functions of nutrients in the body and the physiologic processes involved in digestion and absorption. Topics covered include anatomy and physiology of digestion and absorption; specific utilization of carbohydrates, protein, and fats; vitamin and mineral supplements. Other topics include factors that govern nutrient requirements, and the impact of diet on health and disease. Basic principles of chemistry, biology, and physiology are applied to the study of nutrition. This course is suggested for students majoring in nursing or other health-related areas.

NUTR& 101 G512	5 credits		H306
1/4-3/24	2:00PM- 4:30PM	MW	BABEL
NUTR& 101 W458	5 credits		ONLINE
1/4-3/25	ARR	ARR	COLLIN-CLAUS

PSYCHOLOGY

GENERAL PSYCHOLOGY

General Psychology surveys the knowledge and methods of the discipline of psychology. Emphasis is placed upon application of psychological knowledge to daily situations, and upon accessing and assessing information from a variety of sources about behavior. Skills in scientific reasoning and critical thinking are developed during this course. Areas of psychology to be included are: research methods, neuroscience, human development, sensation, perception, consciousness, learning, memory, cognitive processes, intelligence, motivation, emotion, personality, psychological disorders, psychotherapy, stress and health, and social psychology. Basic computer and keyboarding skills strongly recommended.

PSYC& 100 G124	5 credits		C107
1/4-3/25	8:00AM-10:30AM	MW	BIGELOW
PSYC& 100 G120	5 credits		C107
1/4-3/24	2:45PM- 5:15PM	MW	BIGELOW
PSYC& 100 G126	5 credits		H311
1/5-3/25	6:00PM- 8:30PM	TTh	BERKSHIRE
PSYC& 100 W422	5 credits		ONLINE
1/4-3/25	ARR	ARR	FOWERS

DEVELOPMENTAL PSYCHOLOGY

This course covers the concepts of human life span development in psychology and research from the prenatal stage to end of life experiences. Life span development includes socio-emotional, cognitive, and physiological development. Included are the influences on human development by such factors as biology, life experiences, family, and culture. Each individual, although unique follows a process that is affected by primary caregivers, siblings, extended family, teachers, friends, partners, and events. Emphasis will be on understanding human development and the influences of family and culture that includes ethnicity, beliefs, family structure, traditions, and gender.

PSYC& 200 W420	5 credits		ONLINE
1/4-3/25	ARR	ARR	BERKSHIRE

SPEECH & COMMUNICATION

This course studies the fundamentals of the communication process and applies them to personal and workplace relationships. Emphasis will be on applying communication theory to interviewing, small group discussions and public speaking. Students will be required to prepare and give oral presentations.

CMST& 101 G114	5 credits		H311
1/4-3/24	3:00PM- 5:30PM	MW	RUTHERFORD
CMST& 101 G112	5 credits		H311
1/4-3/24	6:00PM- 8:30PM	MW	EDWARDS
CMST& 101 G116	5 credits		H201
1/5-3/25	8:00AM-10:30AM	TTh	EDWARDS