the 3,000 word minimum Gordon Rule requirement. (Prerequisite or Corequisite: ENC 1101.) Lab fee: $15. FA, SP, SU

ISS 2905 Directed Study in Social Science 1-4 sem. hrs. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) FA, SP, SU

ITA 1120/1120L Italian I and Lab 4 sem. hrs. Fundamental drills in listening and speaking followed by reading and writing Italian. Three-hour class instruction and two-hour language laboratory. (Prerequisite: Appropriate placement scores or successful completion of college prep courses. Corequisite: ITA 1120L.) Lab fee: $5. FA

ITA 1121/1121L Italian II and Lab 4 sem. hrs. Continuation of ITA 1120/1120L, with emphasis on basic conversation and grammar in context. Three-hour class instruction and two-hour laboratory. (Prerequisite: ITA 1120/1120L or permission of chairperson. Corequisite: ITA 1121L.) Lab fee: $5. SP

ITA 2220/2220L Italian III and Lab 4 sem. hrs. Continued practice of oral Italian with simple readings in Italian literature. Includes grammar review, vocabulary building and composition. Three-hour class instruction and two-hour language laboratory. (Prerequisite: ITA 1121/1121L. Corequisite: ITA 2220L.) Lab fee: $5. FA

ITA 2221/2221L Italian IV and Lab 4 sem. hrs. Continuation of ITA 2220/2220L, with emphasis on oral and written reports on short novels, articles from magazines and newspapers, and Italian literature. Three-hour class instruction and two-hour language laboratory. (Prerequisite: ITA 2220/2220L. Corequisite: ITA 2221L.) Lab fee: $5. SP

ITA 2905 Directed Study in Italian 1-4 sem. hrs. FA, SP, SU

JOU 1100 Introduction to Journalism 3 sem. hrs. Designed as a basic skills and practical application course for gathering, writing, reporting and editing news in journalistic style. (Prerequisite: Appropriate placement scores or successful completion of college prep courses; or ENC 1101 or permission of chairperson.) FA, SP

JOU 2905 Directed Study in Journalism 1-4 sem. hrs. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) FA, SP, SU

JOU 2949 Cooperative Education Experience in Journalism 1-4 sem. hrs. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) FA, SP, SU

LIS 1002 Finding Information: Skills and Technologies 3 sem. hrs. This course is a practical introduction to finding the different types of information individuals need to be successful in school, career and personal goals. The course covers resources both in and out of the library and highlights the use of computer technologies in research. (Prerequisites: Appropriate placement scores or successful completion of college prep courses and REA 0001/0001L or equivalent.) Lab fee: $5. FA

LIS 2004 Introduction to Internet Information Research Resources 1 sem. hr. Resources This course is designed to develop skills needed to find, evaluate and use relevant resources that are available on the Internet including search strategies, retrieval, evaluation and proper citing of Internet resources. FA, SP, SU

LIS 2949 Cooperative Education Experience in Library Work 1-4 sem. hrs. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) FA, SP, SU

LIT 2030 Understanding Poetry 3 sem. hrs. A survey of chronologically selected poets against the background of their literary periods, with emphasis upon the major themes of poets of all ages. A broad cultural approach. Available as a television course. This course meets the 3,000 word minimum Gordon Rule requirement. (Prerequisite: ENC 1101 or permission of chairperson.) FA, SP, SU

LIT 2040 Dramatic Literature 3 sem. hrs. A study of chronologically selected plays against the background of their periods. Emphasis upon the dramatic structure and universally dramatic themes. This course meets the 3,000 word minimum Gordon Rule requirement. (Prerequisite: ENC 1101 or permission of chairperson.) SP

LIT 2110 Masterpieces of World Literature I 3 sem. hrs. A study of world masterpieces from the time of the Old Testament through the Renaissance. This course meets the 3,000 word minimum Gordon Rule requirement. (Prerequisite: ENC 1101 or permission of chairperson.) FA

LIT 2120 Masterpieces of World Literature II 3 sem. hrs. A continuation of world masterpieces and national epics from the Renaissance to the 20th century and the Modern School. This course meets the 3,000 word minimum Gordon Rule requirement. (Prerequisite: ENC 1101 or permission of chairperson. LIT 2120 may be taken without taking LIT 2110.) SP

LIT 2380 Literature by Women 3 sem. hrs. A study of women writers and the effects of history and historical changes projected through these writings from the 11th century through the present. This course meets the 3,000 word minimum Gordon Rule requirement. (Prerequisite: ENC 1101 or permission of chairperson.) FA, SP, SU

LIT 2602 Literature of the Sea 3 sem. hrs. A study of readings from short stories, poetry, novels and dramas that deal with various issues concerning the oceans of the world. This course meets the 3,000 word minimum Gordon Rule requirement. (Prerequisite or Corequisite: ENC 1101.) FA

MAC 1105 College Algebra 3 sem. hrs. Topics include: Polynomial and rational equations and inequalities, graphs of functions, rate of change, transformations, extreme values, modeling, combining functions, one-to-one and inverse functions, exponential functions, logarithmic functions, laws of logarithms, exponential and logarithmic equations, modeling, systems of equations, linear systems in three variables, nonlinear systems of equations, and nonlinear systems of inequalities. (Prerequisite: Placement through CPT or passed MAC1033 with grade “C” or better or permission of chairperson.) Lab fee: $5. FA, SP, SU

MAC 1114 College Trigonometry 3 sem. hrs. Topics include: the unit circle, right triangles, oblique triangles, trigonometric functions (their definitions, graphs and inverses), trigonometric identities, trigonometric equations, the trigonometric form of complex numbers, two-dimensional vectors, polar coordinates, and parametric equations. A graphing calculator is required. (Prerequisite: Placement through CPT or passed MAC1105 with grade “C” or better or permission of chairperson.) Lab fee: $5. FA, SP, SU

MAC 1140 Pre-Calculus Algebra 3 sem. hrs. Exponential and Logarithmic functions: properties and equations; Sequences including arithmetic and geometric partial sum formulas as well as the sum of infinite geometric sequence; Mathematical Induction; The Binomial Theorem; Solutions to Systems of Linear Equations: Gauss-Jordan elimination, determinants and Cramer’s Rule, inverse matrices; partial fraction decomposition; Limits: using graphical, numerical and analytical methods; Conic Sections: Parabolas, Ellipses and Hyperbolas. (Prerequisite: Placement through CPT or passed MAC1105 with grade “C” or better or permission of chairperson.) Lab fee: $5. FA, SP, SU
MAC 2323 Calculus for Business
and Nonphysical Sciences I
3 sem. hrs.
This course is designed for students who plan to major in Business or the
Social Sciences. Topics include: limits, continuity, differentiation and inte-
gration of algebraic, exponential and logarithmic functions with empha-
sis placed on applications in business, economics, and social sciences. A
graphing calculator is required. (Prerequisite: Placement through CPT or
passed MAC1140 with grade “C” or better, or permission of chairperson.)
Lab fee: $5. FA, SP, SU

MAC 2311/2311L Calculus I and Lab
4 sem. hrs.
Topics include: functions and graphs, mathematical models, limits,
continuity, slope of a curve, derivatives of algebraic and transcendental
functions, techniques of differentiation, applications of derivatives, differen-
tials, optimization, plane areas, antiderivatives, definite integrals, and
Fundamental Theorem of Calculus (Prerequisite: Placement through CPT
or completion of MAC1140 and MAC1114 with a grade of “C” or better or
by permission of chairperson. Corequisite: MAC 2311L.) Lab fee: $5. FA,
SP, SU

MAC 2312/2312L Calculus II and Lab
4 sem. hrs.
A continuation of Calculus I including: techniques of integration, ap-
plications of integrations, differentiation and integration in polar form,
sequences and series. (Prerequisite: Placement through CPT or passed
MAC2311/2311L with grade “C” or better or permission of chairperson.
Corequisite: MAC 2312L.) Lab fee: $5. FA, SP, SU

MAC 2313/2313L Calculus III and Lab
4 sem. hrs.
A continuation of Calculus II including vectors, vector functions, partial
derivatives, multiple, surface and line integrals, first order differential
equations and linear second order differential equations. (Prerequisite:
Placement through CPT or passed MAC2312/2312L with grade “C” or bet-
ter or permission of chairperson. Corequisite: MAC 2313L.) Lab fee: $5. FA,
SP, SU

MAE 2801 Elementary School Mathematics
3 sem. hrs.
This course contains mathematical material appropriate for students
studying to be elementary school teachers. It includes operations on real
numbers, problem solving techniques, prime factorizations, numerical sys-
tems, simplifying numeric expressions, sets and Venn diagrams, converting
base systems, solving geometric problems, identification and classification
of two and three dimensional figures, and finding area and perimeter of
these figures. (Prerequisite: MAC 1105 or MGF 2106 with a grade of C or
better.) Lab fee: $5. FA, SP, SU

MAN 2021 Principles of Management
3 sem. hrs.
Designed to enable the student to understand and apply the following ba-
sic functions of management: planning, organizing, staffing, leading and
controlling, FA, SP, SU

MAN 2905 Directed Study in Management
1-4 sem. hrs.
FA, SP, SU

MAP 2302/2302L Differential Equations and Lab
3 sem. hrs.
First order ordinary differential equations, theory of linear ordinary differ-
etial equations, solutions of linear and non-linear equations including vari-
ation of parameters and Laplace transformation methods along with
applications. (Prerequisite: Placement through CPT or passed MAC2312/
2312L with grade “C” or better or permission of chairperson. Corequisite:
MAP 2302L.) Lab fee: $5. FA, SP, SU

MAR 2011 Principles of Global Marketing
3 sem. hrs.
A global approach to the study of marketing. Domestic, international and
multinational consideration of customer, product, price, promotion and
place will be explored. Students will complete a marketing plan. FA, SP

MAR 2720 Introduction to E-Commerce
3 sem. hrs.
Course introduces students to the steps and strategies necessary for mar-
keting products on the Internet. Emphasis is on tools, techniques, chal-
lenges and decision-making ability needed to participate in this rapidly
growing sector of the economy. SP
ME 0253/0255L Anatomy & Physiology for Medical Assisting and Lab  6.0 voc. crs.
The student will have knowledge of the organization of the human body and how it functions in both a wellness and illness state. The course will also prepare the student to assist the physician in planning of and education of patients on diets as they relate to diseases/health of each of the body systems. (Corequisites: ME 0005, ME 0230/0230L, ME 0270/0270L and ME 0255L) FA

ME 0242/0242L Pharmacology for Medical Assisting and Lab  4.0 voc. crs.
This course will prepare students to perform duties relevant to the administration of medications under the supervision of a physician. (Prerequisites: ME 0005, ME 0230/0230L, ME 0253/0253L and ME 0270/0270L. Corequisites: ME 0254/0254L, ME 0258/0258L, ME 0256C/0256L and ME 0254L) Lab fee: $7. SP

ME 0254/0254L Procedures for Medical Procedures for Medical Assisting and Lab  5.0 voc. crs.
This course covers infection control techniques, how infections and blood borne pathogens are spread, basic first aid and emergency procedures, as well as how to maintain emergency equipment. Students will also know how to take vital signs, prepare patients for, as well as assist with various procedures, quality control and how to maintain medication records and accurately document interviews and findings. (Prerequisites: ME 0005, ME 0253/0253L, ME 0270/0270L and ME 0230/0230L. Corequisites: ME 0256C/0256L, ME 0258/0258L, ME 0242/0242L and ME 0254L) Lab fee: $7. SP

ME 0256C/0256L Laboratory Procedures for Medical Assisting and Lab  6.3 voc. crs.
The student will gain an understanding of the various laboratory tests, the departments in a laboratory, the personnel, safety rules, government regulations, how to perform basic tests, how to collect blood specimens by various methods and how to perform electrocardiograms. (Prerequisites: ME 0005, ME 0270/0270L, ME 0253/0253L, and ME 0230/0230L. Corequisites: ME 0254/0254L, ME 0258/0258L, ME 0242/0242L and ME 0256L) Lab fee: $7. SP

ME 0258/0258L Radiology for Medical Assisting and Lab  2.0 voc. crs.
Course will prepare the student for the state of Florida basic X-ray examination. The student will learn basic X-ray procedures, processing techniques and safety procedures. (Prerequisites: ME 0005, ME 0230/0230L, ME 0253/0253L and ME 0270/0270L. Corequisites: ME 0256C/0256L, ME 0258/0258L, ME 0242/0242L and ME 0258L) SP

ME 0270/0270L Clerical Procedures for Medical Assisting and Lab  4.0 voc. crs.
This course will prepare students to perform all duties of a medical office receptionist. Including but not limited to, skills in typing, filing, scheduling and billing. (Corequisites: ME 0005, ME 0253/0253L, ME 0230/0230L and ME 0270L) FA

MEA 0801 Externship for Medical Assisting  8.0 voc. crs.
The student will apply those skills gained in the classroom in a professional setting. They will be responsible for 240 hours of hands-on practical in physician’s offices, clinic settings and urgent care facilities. The school will be responsible for obtaining the clinical sites, and monitoring the student’s progress to complete this portion of the program. Lab fee: $12. SU

MET 2010 Meteorology  3 sem. hrs.
An introduction to the fundamentals of weather and climate. Topics include temperature, humidity, clouds, precipitation, air masses, fronts, storms, air pollution and climate. Emphasis is on how these processes take place and their results. (Prerequisites or corequisites: ENC 1101 and MAT 1033 or permission of chairperson.) FA, SP

MGF 2106 College Mathematics  3 sem. hrs.
This is a college mathematics course, including set theory, logic, geometry, counting methods, probability, statistics, and other optional materials. (Prerequisite: Placement through CPT or passed MAT 1033 with grade “C” or better or permission of chairperson.) Lab fee: $5 FA, SP, SU

MGF 2107 Mathematics for Liberal Arts  3 sem. hrs.
This course includes topics from consumer mathematics, mathematical modeling, geometry in art, graph theory, voting and apportionment techniques and history of mathematics. Applications to real-world situations are emphasized. (Prerequisite: Placement through CPT or passed MAT 1033 with grade “C” or better or permission of chairperson.) Lab fee: $5. FA, SP, SU

MLT 1000 Introduction to Medical Laboratory Technology  3 sem. hrs.
A general introduction to the career of medical technology including safety, quality control, professional ethics and regulatory standards. (Prerequisite: Admission to the Medical Laboratory Technology program.)

MLT 1040C/1040L Microscopy and Lab  2 sem. hrs.
A basic study on theory and techniques for fluid analysis (non-blood) in the clinical laboratory with an emphasis on disease states and diagnosis. This course also includes an introduction to phlebotomy including techniques and tools. (Prerequisites: MLT 1000, BSC 1085C/1085L, HSC 1000 and MLT 1500.) Lab fee: $20.

MLT 1362C/1362L Hematology and Lab  4 sem. hrs.
Course will explore clinical hematology (formation, function and degradation of blood cells) and fundamental hemostasis, including anemias, white blood cell disorders, thrombosis and related laboratory processes and procedures. (Prerequisites: BSC 1085C/1085L. Corequisites: MLT 1000, HSC 1000 and MLT 1500.) Lab fee: $20.

MLT 1500 Immunology  3 sem. hrs.
The study of the immune system, basic immunologic techniques, disease states and serological testing. (Prerequisite: BSC 1085C/1085L. Corequisites: MLT 1000 and HSC 1000.)

MLT 1530C/1530L Immunohematology and Lab  4 sem. hrs.
An introduction to the study of immunohematology principles and practices including genetic theory, immunology, whole blood collections, management of disease states, transfusion practices, and blood group antigens/antibodies. (Prerequisites: MLT 1000, BSC 1085C/1085L, HSC 1000 and MLT 1500.) Lab fee: $20.

MLT 1611C/1611L Clinical Chemistry and Lab  4 sem. hrs.
The study and measurement of the chemical composition of blood including practices and procedures; concentrating on analytical principles, techniques and correlation of laboratory results with disease states. (Prerequisites: MLT 1000, BSC 1085C/1085L, HSC 1000, MLT 1500 and CHM 1045C/1045L.) Lab fee: $20.

MLT 1811 Microbiology Practicum  6 sem. hrs.
A cooperative work experience in the microbiology department of an approved medical facility (permission of program manager required). The practicum is implemented through written training plans, performance reviews and coordinated supervision. (Prerequisites: MLT 1000, BSC 1085C/1085L, HSC 1000, MLT 1500 and CHM 1045C/1045L.) Lab fee: $20.

MLT 2807 Immunohematology Practicum  6 sem. hrs.
A cooperative work experience in the immunohematology department of an approved medical facility (permission of program manager required). The practicum is implemented through written training plans, written performance reviews and coordinated supervision. (Prerequisites: BSC 1085C/1085L, HSC 1000, MLT 1500, MLT 1530C/1530L, MLT 1040C/1040L, MLT 1362C/1362L and MCB 1010C/1010L.)
### COURSE DESCRIPTIONS

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSL 2905</td>
<td>Directed Study in Military Leadership</td>
<td>1-4 sem. hrs.</td>
<td>A course designed to cover all organ systems of the human body and their structure and function, taking the student from an understanding of tissues from a cellular level to the individual organ systems and their relationship as a whole. Students will begin their understanding of the human skeleton and muscular systems through lecture and Maniken labs. FA, SP</td>
</tr>
<tr>
<td>MSS 0156</td>
<td>Anatomy &amp; Physiology for Massage Therapist I</td>
<td>2.5 voc. crs.</td>
<td>A course designed to cover all organ systems of the human body and their structure and function, taking the student from an understanding of tissues from a cellular level to the individual organ systems and their relationship as a whole. Students will begin their understanding of the human skeleton and muscular systems through lecture and Maniken labs. FA</td>
</tr>
<tr>
<td>MSS 0157</td>
<td>Anatomy &amp; Physiology for Massage Therapist II</td>
<td>2.5 voc. crs.</td>
<td>A continuation of Anatomy &amp; Physiology for Massage Therapist I with increased emphasis on the muscular system. Students will gain knowledge in kinesiology as origin and insertions and the action of muscles will be demonstrated through lecture, palpation and Maniken labs. (Prerequisite: MSS 0156.) SP</td>
</tr>
<tr>
<td>MSS 0215</td>
<td>Statutes/Rules and Ethics</td>
<td>.33 voc. crs.</td>
<td>Students will learn the history of massage and the applications of therapeutic massage in our health care system. The statutes and rules of the Florida Board of Massage will be covered and discussed in detail. SP</td>
</tr>
<tr>
<td>MSS 0274</td>
<td>Pathology Related to Massage Therapist</td>
<td>1.5 voc. crs.</td>
<td>This course will provide students with information about numerous pathological conditions. Emphasis will be on conditions that occur frequently enough that a practicing massage therapist will likely encounter them and those conditions that may be profoundly affected by massage therapy. SP</td>
</tr>
<tr>
<td>MSS 0283</td>
<td>Allied Modalities I</td>
<td>1.7 voc. crs.</td>
<td>Course will cover the use of allied modalities related to massage. Students will be shown various modalities within scope of practice and become familiar with those outside their scope of practice. Lab fee: $5. FA</td>
</tr>
<tr>
<td>MSS 0284</td>
<td>Allied Modalities II</td>
<td>1.7 voc. crs.</td>
<td>Course designed to enable students to gain professional attitudes with a commitment to the ethical practice of massage therapy. Employability skills as well as knowledge in business practices and standards will be discussed. This course will also increase students’ awareness of human relationship skills. (Prerequisite: MSS 0283.) Lab fee: $5. SP</td>
</tr>
<tr>
<td>MSS 0315</td>
<td>Theory and Practice of Hydrotherapy</td>
<td>.67 voc. crs.</td>
<td>This course will provide students with the history and principles of the theories of hydrotherapy as it applies to therapeutic massage practices. SP</td>
</tr>
<tr>
<td>MSS 0601</td>
<td>Professional and Personal Development</td>
<td>.5 voc. crs.</td>
<td>This course focuses on preparing students for effective communication and emphasizes attentive listening and working with a diversity of clients. Students will learn about effective written and verbal communication skills. Practical guidelines will be given on how to establish a successful massage therapy practice, professional presentation, fee structure, marketing strategies, and business ethics. FA</td>
</tr>
<tr>
<td>MSS 0803/0803L</td>
<td>Massage Theory and Clinical Practicum I and Lab</td>
<td>5.3 voc. crs.</td>
<td>This course will provide students with an understanding of the principles and theories of therapeutic massage. In a systematic approach students will be shown proper techniques of massage manipulation. It is here that students will begin their awareness of sensitivity and trust which will be carried throughout the program. (Corequisite: MSS 0803L) Lab fee: $5. FA</td>
</tr>
<tr>
<td>MSS 0804/0804L</td>
<td>Massage Theory and Clinical Practicum II and Lab</td>
<td>5.3 voc. crs.</td>
<td>This course will further students understanding of the principles and theories of therapeutic massage. Students will develop skills and confidence through palpation of major anatomical structures and muscle attachments, recognizing the quality of various tissue structures of the body. As part of this course students are required to give 30 Swedish massage sessions to be evaluated by client and instructor. Documentation and therapist/client communication skills will be covered in this course. (Prerequisite: MSS 0803/0803L. Corequisite: MSS 0804L.) Lab fee: $5. SP</td>
</tr>
</tbody>
</table>
MUN 1480  Guitar Chamber Ensemble  3 sem. hrs.
Preparation for performance of literature for the guitar, emphasis on ensemble
reading and performance. (Prerequisite: MUT 1122/1122L or equivalent. Corequisite: MUT 2126L.) FA, SP

MUN 1470-2470  Collegium Musician Chamber Ensemble  3 sem. hrs.
A chamber ensemble preparing students for performing in all liturgical
settings. May be repeated one time for credit. (Contact instructor.) (Corequisite: MUN 1710L.) FA, SP

MUN 1460-2460  Mixed Chamber Ensemble  3 sem. hrs.
A mixed chamber ensemble preparing students for performing in various
ensemble settings. May be repeated one time for credit. (Corequisite: MUN 1340L.) FA, SP

MUN 1450-2450  Keyboard Chamber Ensemble  3 sem. hrs.
A keyboard chamber ensemble preparing students for performance in all
literary settings. May be repeated one time for credit. (Corequisite: MUN 1340L.) FA, SP

MUN 1440-2440  Percussion Chamber Ensemble  3 sem. hrs.
A percussion chamber ensemble preparing students for performance in all
literary settings. May be repeated one time for credit. (Corequisite: MUN 1340L.) FA, SP

MUN 1430-2430  Brass Chamber Ensemble  3 sem. hrs.
A brass chamber ensemble preparing students for performance in all
literary settings. May be repeated one time for credit. (Corequisite: MUN 1340L.) FA, SP

MUN 1420-2420  Woodwind Chamber Ensemble  3 sem. hrs.
A woodwind chamber ensemble preparing students for performance in all
literary settings. May be repeated one time for credit. (Corequisite: MUN 1340L.) FA, SP

MUN 1410-2410  String Chamber Ensemble  1 sem. hr.
A string chamber ensemble preparing students for performance in all
literary settings. May be repeated one time for credit. (Corequisite: MUN 1340L.) FA, SP

MUL 1010  Music Appreciation  3 sem. hrs.
A survey course designed to establish a broad understanding of Western
and Non-western musical styles. An emphasis will be placed upon critical
listening skills, the recognition of fundamental musical elements and
the roles of music in society from ancient to modern times. This course
meets the 3,000 word minimum Gordon Rule requirement. (Prerequisite: ENC 1101.) FA, SP, SU

MUT 1121/1121L  Music Theory I and Lab  4 sem. hrs.
Introduction to the theory of Western music through reading, writing, singing and
playing. Emphasis on the study of primary and secondary triads, their conversions and the
dominant seventh chord. Sight singing, ear training, keyboard harmony, harmonic and structural
analysis and elementary dictation. Three-hour class, two-hour laboratory. (Prerequisite: Appropriate placement scores or successful completion of college prep courses. Corequisite: MUT 1122L.) FA, SP

MUT 1122/1122L  Music Theory II and Lab  4 sem. hrs.
Continuation of MUT 1121 through secondary dominant chords and modulation. Part-writing principles, figured bass writing for instruments and elementary composition. Sight singing, ear training, keyboard harmony, harmonic and form analysis and intermediate dictation. Three-hour class, two-hour laboratory. (Prerequisites: Appropriate placement scores or successful completion of college prep courses and MUT 1121/1121L. Corequisite: MUT 1122L.) FA, SP

MUT 2126/2126L  Music Theory III and Lab  4 sem. hrs.
Study of modulations; altered chords; extended chord structures; form analysis through reading, writing, sight-singing and ear training; and keyboard harmony. Three-hour class, two-hour laboratory. (Prerequisites: Appropriate placement scores or successful completion of college prep courses and MUT 1122/1122L or equivalent. Corequisite: MUT 2126L.) FA, SP

MUT 2127/2127L  Music Theory IV and Lab  4 sem. hrs.
Study of modulation, altered chords, extended chord structures and extended-form analysis. Score reading, part writing, composition, sight singing, ear training and form analysis. Three-hour class, two-hour laboratory. (Prerequisites: Appropriate placement scores or successful completion of college prep courses and MUT 2126/2126L or equivalent. Corequisite: MUT 2127L.) FA, SP

Applied Music - Secondary Level  1 sem. hr.
Designed for students who have to study a secondary instrument for degree requirements or for students who perform at the college level and who are not music majors, but desire private applied music instruction. Required of students who are receiving a music scholarship. A lab fee of $70 must be paid in addition to the fee charged by the College for registration. Students should take 1000-level courses their first year and 2000-level their second year. May be repeated one time for credit. FA, SP

MVB 1211-2221  Applied Music Secondary, Trumpet  3 sem. hrs.
MVB 1212-2222  Applied Music Secondary, French Horn  3 sem. hrs.
MVB 1213-2223  Applied Music Secondary, Trombone  3 sem. hrs.
MVB 1214-2224  Applied Music Secondary, Baritone Horn  3 sem. hrs.
MVB 1215-2225  Applied Music Secondary, Tuba  3 sem. hrs.
MVK 1211-2221  Applied Music Secondary, Piano  3 sem. hrs.
MVK 1111  Applied Music-Group (Piano) I and II          1 sem. hr.
Class piano instruction. Open to all students. Required of all music majors and music theory students having had little or no previous piano instruction. Two hours of class per week. Lab fee: $30. FA, SP, SU

MVS 1116  Beginning Class Guitar                      1 sem. hr.
Class in guitar instruction designed primarily for the beginner who does not read music. Emphasis on fundamentals of reading and technique. Lab fee: $15. FA, SP

MVS 2126  Intermediate Class Guitar                   1 sem. hr.
Class in guitar instruction designed primarily for the intermediate guitar student who has developed rudimentary music reading skills. Emphasis on developing reading and technique to college level performance expectations. (Prerequisite: MVS1116 or by audition.) Lab fee: $15. FA, SP

NUR 1021C/1021L Introduction to Nursing Process and Lab 10 sem. hrs.
Introduction of the nursing process and various nursing roles focusing on basic needs of the adult. (Prerequisites: ENC 1101, MCB 1010C/1010L, and MAC 1105. Corequisites: NUR 1021L, BSC 1086C/1086L, and PSY 1012.) Lab fee: $88. FA, SP

NUR 1003C/1003L Transition Into Professional Nursing and Lab 12 sem. hrs.
Application of the nursing process in various nursing roles focusing on simple needs of the medical-surgical-patient. (Prerequisites: ENC 1101, ENC1102, MAC 1105, BSC 1086C/1086L, BSC 1086C/1086L, MCB 1010C/1010L, and PSY 1012. Corequisite: NUR 1003L.) Lab fee: $85. FA, SP

NUR 1260C/1260L Nursing Process II and Lab 10 sem. hrs.
Application of the nursing process in various nursing roles focusing on simple needs of the medical-surgical-patient. (Prerequisite: NUR 1021C. Corequisites: ENC 1102 and NUR 1260L.) Lab fee: $76. FA, SP

NUR 2310C/2310L Nursing Process III: Child Health and Lab 4 sem. hrs.
Application of the nursing process in various nursing roles focusing on child health. (Prerequisites: NUR 1003C/1003L or NUR 1260C/1260L. Corequisites: SPC 2600, NUR 2420C/2420L or NUR 2512C/2512L, and NUR 2310L.) Lab fee: $35. FA, SP, SU

NUR 2420C/2420L Nursing Process III: Maternal Health and Lab 4 sem. hrs.
Application of the nursing process in various nursing roles focusing on maternal health. (Prerequisites: NUR 1003C/1003L or NUR 1260C/1260L. Corequisites: SPC 2600, NUR 2310C/2310L or NUR 2512C/2512L, and NUR 2420L.) Lab fee: $36. FA, SP, SU

NUR 2512C/2512L Nursing Process IV: Psychiatric and Mental Health Nursing and Lab 4 sem. hrs.
Application of the nursing process in various nursing roles focusing on mental health of all ages. (Prerequisites: NUR 1003C/1003L or NUR 1260C/1260L. Corequisites: SPC 2600, NUR 2420C/2420L or NUR 2310C/2310L and NUR 2512L.) Lab fee: $35. FA, SP, SU

NUR 2744C/2744L Nursing Process V: Advanced Medical-Surgical Nursing and Lab 10 sem. hrs.
Application of the nursing process in various nursing roles focusing on complex needs of the medical-surgical adult patients. (Prerequisites: NUR 2420C/2420L, NUR 2310C/2310L, and NUR 2512C/2512L. Corequisites: Humanities, Cultural and Aesthetic Core and NUR 2744L.) Lab fee: $76. FA, SP

NUR 2905  Directed Study in Nursing                     1-4 sem. hrs.
FA, SP, SU

An introduction to the chemical, physical, and biological components of the marine environment. Emphasis is on the study of marine organisms and their ecological roles. Specific topics include Florida coastal and intracoastal systems and issues. Several one-day field trips are scheduled in
addition to the weekly laboratory sessions. (Prerequisites or corequisites: ENC 1101 and MAT 1033. Corequisite: OCB 2000L.) Lab fee: $20. FA, SP, SU

OCE 1001 Introduction to Oceanography 3 sem. hrs.
An introduction to physical oceanography, including geology and hydrology of the world’s ocean basins and oceanic effects on climate. (Prerequisites or corequisites: ENC 1101 and MAT 1033.)

OCB 2949 Cooperative Education Experience in Marine Biology 1-4 sem. hrs.
FA, SP, SU

This course will introduce students, both individually and in groups, to an imaginative and skillful oral rendering and analysis of dramatic literature and prose. (Prerequisite: ENC 1101.) FA, SP

OST 1100/1100L Keyboarding and Formatting I and Lab 4 sem. hrs.
Introduction to the touch system of keyboarding (computer-aided) with application (using Word software) of skills to problems including letters, tabulations and manuscripts. Student must register for lab. (Corequisite: OST 1100L.) Lab fee: $6. FA, SP, SU

OST 1110/1110L Keyboarding and Formatting II and Lab 4 sem. hrs.
Emphasis on timed production of various business forms and correspondence, speed and accuracy drills and an understanding of basic business functions. Students must register for lab. (Prerequisite: OST 1100/1100L or permission of chairperson. Corequisite: OST 1110L.) Lab fee: $6. FA, SP, SU

OST 1141 Keyboarding 1 sem. hr.
Course emphasizes proper use of a keyboard. Designed for all students who are or will be using computer terminals. Lab fee: $6. FA, SP, SU

OST 1330 Business English 3 sem. hrs.
Designed as a systematic review of English grammar, usage, mechanics, vocabulary development, and spelling as they are used in business. A special emphasis on business terminology, practices and written correspondence. Lab fee: $5. FA, SP

OST 1435 Legal Terminology 3 sem. hrs.
An explanation of the common legal vocabulary involved in the broad, general principles of substantive law. Lab fee: $6. FA, SP

OST 1711 Word Processing I 3 sem. hrs.
A study of word processing concepts, techniques and applications. Document preparation and formatting is emphasized. Hands-on experience using word processing software is included. Student must register for lab. (Prerequisite: OST 1100/1100L or OST 1141 or permission of chairperson.) Lab fee: $6. FA, SP, SU

OST 1760/1760L Word Processing II 4 sem. hrs.
A study of information processing and hands-on experience using a word processor. Student must register for lab. (Corequisite: OST 1760L.) Lab fee: $6. FA

OST 2336 Business Communications 3 sem. hrs.
Principles and techniques of correspondence, including specialized letter writing, research reports and oral presentations. (Prerequisite: ENC 1101 or OST1130.) FA, SP, SU

OST 2401/2401L Basic Office Procedures and Lab 4 sem. hrs.
This course provides the basic elements of correct office training skill development and serves as the nucleus for legal and medical office procedure courses as well. Keyboarding skills are used in this course. Anyone without keyboarding experience should register for OST 1100/1100L or OST 1141 as a Corequisite. Student must register for lab. (Prerequisite: OST 1100/1100L or OST 1711 or knowledge of WordPerfect. Corequisite: OST 2401L.) Lab fee: $6. FA, SP

OST 2431/2431L Legal Keyboarding and Office Procedures and Lab 4 sem. hrs.
A study of the legal secretarial role, professional relations, legal terminology and legal office procedures including preparation of legal documents using automated dictation equipment. Student must register for lab. (Prerequisite: OST 1100/1100L or OST 1711 or knowledge of Word software. Corequisite: OST 2431L.) Lab fee: $6. FA, SP

OST 2461/2461L Medical Keyboarding and Office Procedures and Lab 4 sem. hrs.
Study of advanced medical office procedures including professional office relations, administrative skills, preparation of medical documents and management of office operations. Student must register for lab. (Prerequisite: OST 1100/1100L or OST 1711 or knowledge of Word software. Corequisite: OST 2461L.) Lab fee: $6. FA, SP

OST 2501 Office Management 3 sem. hrs.
Study of the organization and management of office personnel, electronic office equipment and the development of management skills. Students must register for lab. SP

OST 2713/2713L Advanced Computer Software Applications and Lab 4 sem. hrs.
A study of advanced concepts; features and applications of personal computers; and advanced techniques in using word processing, electronic spreadsheets and database management software. Student must register for lab. (Prerequisite: CGS 2100. Corequisite: OST 2713L.) Lab fee: $8. FA

OST 2905 Directed Study in Office Systems Management 1-4 sem. hrs.
Students who desire credit in this area should meet with the chairperson of the Business Department. FA, SP, SU

OST 2949 Cooperative Education Experience in Office Systems Management 1-4 sem. hrs.
Students desiring credit in this area should meet with the chairperson of the Business Department. FA, SP, SU

OTH 1001 Introduction to Occupational Therapy 3 sem. hrs.
Students are introduced to the field of occupational therapy; the history, philosophy, and underlying concepts of the profession; and exposed to various clinical settings and personnel. It also includes an introduction to basic medical terminology. Lab fee: $5. FA

OTH 1003 Human Occupation Across the Lifespan 3 sem. hrs.
This course provides a study of occupation (activities that have meaning and purpose in a person’s life) across the lifespan. Topics include occupational development, roles and performance; meaning and identity; the person-environment-occupation model, client-centered treatment and health and wellness. (Corequisite: OTH 1001.) Lab fee: $5. FA

OTH 1006 Occupational Therapy Documentation 2 sem. hr.
This course provides the student with the history, components, current trends and mechanics of documentation for occupational therapy services. Documentation as related to reimbursement is emphasized. (Prerequisites: OTH 2300C and OTH 1800.) SU

OTH 1014C/1014L Analysis of Human Movement and Lab 3 sem. hrs.
This course introduces the phenomenon of human motion and function within the context of occupational performance. Topics include: introduction to movement, survey of skeletal system, articular system, muscular system, and nervous system. Normal movement and posture are also examined. Impact of body structure and function upon client’s occupational status and motor performance is integrated via discussion and application projects. (Prerequisite: BSC 1086C/1086L. Corequisite: OTH 1014L.) SP
OTH 1114C/1114L Occupational Therapy Skills and Techniques I and Lab  2 sem. hrs.
This course focuses on developing basic competencies in occupational therapy treatment techniques and methodologies. Content includes: application of occupational therapy practice framework in areas relating to performance skills, patterns, and contexts; skill building in areas of patient care, safety, and basic mobility; communication/interaction dynamics; cultural diversity; computer literacy and resource development; and basic occupational analysis. (Corequisites: OTH 1001 and OTH 1114L.) Lab fee: $5. FA

OTH 1800 Occupational Therapy Practicum I  1 sem. hr.
Level I field placements provide opportunities for students to apply basic occupational therapy principles and techniques. The placements are integrated in didactic courses to provide hands-on learning and participation under the direction of placement supervisors. (Prerequisites: OTH 1800 and CPR certification.) Lab fee: $3. FA

OTH 1802 Occupational Therapy Practicum II  2 sem. hrs.
Students will perfect methods and techniques expected of entry-level Certified Occupational Therapy Assistants (COTA’s) while participating in observation, evaluation, treatment planning and treatment delivery under the direction of their supervisors. (Prerequisites: OTH 1800 and CPR certification.) Lab fee: $15. SP

OTH 2261C/2261L Occupational Therapy Skills and Techniques II and Lab  2 sem. hrs.
This course provides instruction enabling the OTA student to further develop skills in areas of therapeutic mobility, activity analysis, and dealing with individuals, groups and populations in the context of health care restoration, prevention and promotion. Specific topics include: wheelchair transfers; basic exercises; ADL training and equipment provision; life skills training, occupational analysis, art and craft media; basic treatment strategies; service delivery models, and skill development in basic research methods. (Prerequisite: OTH 1114C/1114L. Corequisites: OTH 1014C/1014L, OTH 2300C, and OTH 2261L.) Lab fee: $15. SP

OTH 2264C/2262L Occupational Therapy Skills and Techniques III and Lab  3 sem. hrs.
This course provides information, demonstrations, and lab activities that address advanced occupational therapy treatment methods that promote occupational performance and quality of life. Topics include: sensorimotor treatment models, applications of therapeutic adaptation, family training, community programming, basic othotics and prosthetics, assistive technologies, physical agent modalities, accessibility issues, intervention planning, and healthy lifestyles. (Prerequisite: OTH 2261C/2261L. Corequisites: OTH 2402C/2402L, OTH 2520/2520L and OTH 2262L.) Lab fee: $20. FA

OTH 2300C Psychosocial Occupational Therapy  4 sem. hrs.
Provides an overview of psychopathology as well as understanding of occupational therapy evaluations, treatment planning, intervention strategies and documentation used in psychosocial dysfunctions. Labs provide opportunities to observe and practice specific techniques. (Prerequisite: OTH 1001.) Lab fee: $5. SP

OTH 2410 Conditions in Occupational Therapy  3 sem. hrs.
This course will familiarize the student with the etiology, diagnosis, detection, medical management and prognosis of selected disease processes and traumatic injuries. Exploration of how these conditions affect the occupational performance of an individual, family, or community will be examined. This course will also enable the student to develop research and oral presentation skills via a research assignment. (Prerequisites: OTH 1001 and BSC 1085C/1085L.) FA

OTH 2420 Occupational Therapy for Physical Dysfunction  4 sem. hrs.
Provides the student with an understanding of evaluations, treatment planning, intervention strategies and documentation used in physical disabilities. Labs and occupational therapy settings provide opportunities to observe and practice specific techniques. (Prerequisites: OTH 1014C/1014L and OTH 2410.) Lab fee: $5. FA

OTH 2520/2520L Developmental Issues and Lab  3 sem. hrs.
This course introduces students to the role of occupational therapy in a pediatric setting. It includes the normal development processes specific to pediatric-related disorders and how they impact development, treatment approaches and interventions; and legal, ethical, and family issues related to children with special needs, ages 0 – 21 years. (Prerequisites: OTH 2410. Corequisite: OTH 2520L.) Lab fee: $5. FA

OTH 2840 O.T. Supervised Clinical Practice I  5 sem. hrs.
Requires full-time field work for eight weeks in an O.T. treatment program. The student gains clinical experience working with patients under the supervision of an OTR/L. The student adheres to all the policies and regulations of the clinic. (Prerequisites: OTH 1802 and CPR certification. Corequisite: OTH 2933.) Lab fee: $4. SP

OTH 2841 O.T. Supervised Clinical Practice II  5 sem. hrs.
Requires full-time field work for eight weeks in an O.T. treatment program with a diagnostic group other than that chosen for OTH 2840. (Prerequisites: OTH 2840 and CPR certification. Corequisite: OTH 2933.) Lab fee: $4. SP

OTH 2933 O.T. Seminar for Clinical Practice  1 sem. hr.
Provides a variety of issues such as the transition from student to practitioner, relationships between OTA’s and other health care professionals, ethics review, licensing requirements, resource and management skills, job search strategies and preparation for the national Certification Exam. (Corequisites: OTH 2840 and OTH 2841.) Lab fee: $5. SP

PAD 2002 Introduction to Public Service Principles  6 sem. hrs.
Course focuses on broad skills and knowledge transferable to fire, emergency medical services, law enforcement and related public service professions. Covers the duties of personnel, sample job tasks and employment qualifications. Lab fee: $30. SP

PCB 2510C/2510L Human Genetics and Lab  4 sem. hrs.
This course is for students who wish to become professionals in genetic counseling, medicine, biomedical engineering, teaching and biotechnology. Classical and molecular genetics including human genetic disorders will be covered. (Prerequisite: BSC 1010C/1010L or MCB 1010C/1010L. Corequisite: PCB 2510L.) Lab fee: $50. SP

PCO 2202 Counseling Techniques  3 sem. hrs.
Emphasis on the counseling helping process and on counseling and communication skills including accurate observation, therapeutic communication, intrapersonal and interpersonal awareness, conflict and goal setting. Personal and professional boundaries are explored as knowledge and skill-based learning. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) FA

PET 2084 Personal Health and Wellness  3 sem. hrs.
The components of fitness are blended with the presentation and understanding of information relating to nutrition, resistance training, common illnesses, sexually transmitted diseases, stress management, health care, substance abuse and managing personal lifestyles. FA, SP, SU

PET 2621 Principles of Athletic Training  3 sem. hrs.
An introductory course to the field of athletic training. Includes information regarding career information, legal issues, conditioning, equipment emergency procedures, injury recognition, rehabilitation and pharmacology. Lab fee: $15. FA

PET 2622/2622L Care and Prevention of Athletic Injuries and Lab  3 sem. hrs.
A continuation of Principles of Athletic Training. Emphasis is on functional anatomy and the recognition, treatment and rehabilitation of specific injuries, illness and disorders that are commonly seen in the physically active population. (Prerequisite: PET 2621. Corequisite: PET 2622L.) SP

PET 2905 Directed Study in Physical Education  1-4 sem. hrs.
FA, SP, SU
PGY 2390  Advanced Photo Workshop  1-4 sem. hrs.  
Topics for this course are selected from a range of advanced applied and technical areas and are designed to develop a specific set of professional skills. Student work will represent an independent and professionally challenging contribution to the discipline. Course may be offered as a Field Studies travel class. (Prerequisite: PGY 2215 and PGY 2216 or permission of department chair.) Class materials fee: $15.  FA, SP, SU

PGY 2650  Editorial Photography  4 sem. hrs.  
Intensive development of skills and concepts in the production of photographs for editorial and illustrative contexts. Designed to emulate professional world conditions. Course emphasizes problem solving, the working process and the refinement of photographic style. (Prerequisites: PGY 2215 and PGY 2216. Corequisite: PGY 2107.) Class materials fee: $45.  FA, SP

PGY 2905  Directed Study in Photography  1-3 sem. hrs.  
Advanced study in any of the following areas: fine art, portrait, commercial and journalistic photography. (Prerequisite: Permission of department chair.) FA, SP, SU

PGY 2935  Portfolio Workshop  1-4 sem. hrs.  
Examines professional issues relevant to current photographic practice through the presentation of theoretical and production projects. Includes a review of visual communications concepts and critical theory. Emphasis will be placed on developing the format, content and sequencing of a portfolio appropriate to a particular industry segment. (Prerequisites: PGY 2215 and PGY 2216 or permission of department chair.) Class materials fee: $30.  FA, SP, SU

PGY 2949  Cooperative Education Experience  4 sem. hrs.  
The course requires the student to research and make arrangements for a 15-25 hour cooperative work experience in the field of professional photography. (Prerequisite: Permission of department chair.) FA, SP, SU

PHI 1100  Practical Logic  3 sem. hrs.  
An examination of rules for validity appropriate to inferences; application of syllogisms and involved arguments utilizing everyday experiences; analysis of the thinking process; and the evaluation of arguments. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) FA, SP

PHI 2001  Introduction of Philosophy I  3 sem. hrs.  
This course presents an introduction to an overview of the major areas of philosophy. It introduces the student to the methods of philosophy, some of the major questions addressed by philosophy and to a selection of the philosophies and philosophers found throughout the world from the ancient ages to the present. This course meets the 3,000 word minimum Gordon Rule requirement. (Prerequisite or corequisite: ENC 1101.) FA, SP, SU

PHI 2002  Introduction of Philosophy II  3 sem. hrs.  
This course presents an in-depth focus upon a specific area of philosophy. Through a variety of selected readings the student will be introduced to some of the major philosophies and philosophers in the area focused upon. Specific focus may vary from one semester to the next. (Prerequisites: Appropriate placement scores or successful completion of college prep courses and ENC 1101 and PHI 2001 or permission of chairperson.) FA, SP

PHI 2600  Introduction to Ethics  3 sem. hrs.  
An introduction to the key concepts and principles of ethics as a basis for the study of values, ethical decisions, right actions and justice. It covers the philosophical roots, as well as modern applications of ethics based upon the ideas and influence of many diverse philosophers, both classical and modern, Eastern and Western, female and male. This course meets the 3,000 word Gordon Rule Requirement. (Prerequisite or corequisite: ENC 1101.) FA, SP,
PHI 2905  Directed Study in Philosophy and Logic  1-3 sem. hrs.  
(Prerequisite: Appropriate placement scores or successful completion of college prep courses.) FA, SP, SU

PHT 1006  Introduction to Physical Therapy  3 sem. hrs.  
Introduces the student to the history and philosophy of physical therapy; the national organization; legal and ethical responsibilities as a PTA also includes SOAP Note writing. Emphasis will be placed on the team building concept. (Prerequisite: Admission to the Physical Therapist Assistant program.) FA

PHT 1128  Kinesiology for PTA  4 sem. hrs.  
This course covers the relationships between the systems that relate to the functional movement of the human body. This course will also cover all functional body movements such as mechanisms, planes and other relationships to body movement. (Prerequisite: BSC 1085C/1085L) FA

PHT 1251  Patient Care Skills  2 sem. hrs.  
This course begins the implementation of treatment techniques in patient positioning, passive exercises, vital signs, massage, transfers, functional mobility, gait training with assistive devices and infection control. (Corequisite: PHT 1251L) FA

PHT 1251L  Patient Care Skills Lab  2 sem. hrs.  
This laboratory course begins the implementation of treatment techniques in patient positioning, passive exercises, vital signs, massage, transfers, functional mobility, gait training with assistive devices, lifting precautions and infection control. (Corequisite: PHT 1251L) FA

PHT 1300  Pathology for PTA  3 sem. hrs.  
This course will cover all body systems with an emphasis on the orthopedics, neuromuscular, and cardiopulmonary diseases commonly treated in the physical therapy department. This course will emphasize the recognition of acute physiological changes in the patient and how to report to these situations to the physical therapist. SP

PHT 2130  Neurological Diagnoses for PTA  5 sem. hrs.  
This course provides instruction in common neurological problems treated by the PTA. Emphasis will be placed on the client with a stroke. Diagnoses will include pediatric, adult and geriatric problems along with psychosocial issues. Clinical decision making skills will be included. (Prerequisite: PHT 1300L) FA

PHT 2140  Rehabilitation Skills for PTA  3 sem. hrs.  
This course provides instruction in common neurological problems treated by the PTA. Emphasis will be placed on the client with closed head injury, degenerative neurological diagnoses and pediatric disorders to include their orthotic and wheelchair needs. The effects of aging will be discussed as related to physical therapy treatments. Clinical decision making skills will be included. (Prerequisite: PHT 1300, Corequisite: PHT 2140L) SP

PHT 2140L  Rehabilitation Skills Lab  1 sem. hr.  
This course provides clinical lab skills for treating common neurological problems. Emphasis will be placed on skills and treatments to be used with clients with closed head injury, degenerative neurological diagnoses and pediatric disorders to include their orthotic and wheelchair needs. Clinical decision making skills will be included. (Prerequisite: PHT 1300, Corequisite: PHT 2140L) SP

PHT 2211  Modalities I  2 sem. hrs.  
This course includes the indications and contraindications for therapeutic modalities of superficial heat and cold, hydrotherapy, ultrasound, wound care and postural drainage as seen in the physical therapy department. (Prerequisites: PHT 1006 and PHT 1251, Corequisite: PHT 2211L) FA

PHT 2211L  Modalities I Lab  1 sem. hr.  
Lab fee: $10. SP

PHT 2212  Modalities II  1 sem. hr.  
This course includes the indications, precautions and contraindications in the use of electrical stimulation equipment for a variety of neurological and musculoskeletal conditions, the use of traction equipment. (Prerequisites: PHT 2211 and PHT 2211L, Corequisite: PHT 2212L) FA

PHT 2212L  Modalities II Lab  1 sem. hr.  
Lab fee: $15. FA

PHT 2220  Therapeutic Exercise I  2 sem. hrs.  
This course provides instruction for therapeutic exercise techniques with the rationale for treating musculoskeletal and neurological impairments to include goniometric measurements as seen in the PT Department. (Corequisites: PHT 1006, PHT 1251 and PHT 2220L) FA

PHT 2220L  Therapeutic Exercise I Lab  2 sem. hrs.  
Lab fee: $10. FA

PHT 2221  Therapeutic Exercise II  4 sem. hrs.  
This course will include the therapeutic exercises for orthopedic problems, balance and coordination problems, cardiovascular clients to include the indications, precautions and contraindication; along with application of Manual Muscle Testing. (Prerequisites: PHT 2220 and PHT 2220L, Corequisite: PHT 2221L) SP

PHT 2221L  Therapeutic Exercise II Lab  2 sem. hrs.  
Lab fee: $15. SP

PHT 2235  Therapeutic Exercise III  2 sem. hrs.  
This course will include the application of therapeutic exercises for clients with vascular problems, amputations, and stroke along with gait training and analysis for these clients. (Prerequisites: PHT 2221 and PHT 2221L, Corequisite: PHT 2235L) FA

PHT 2235L  Therapeutic Exercise III Lab  1 sem. hr.  
This course will include the application of therapeutic exercises for clients with vascular problems, amputations, and stroke along with gait training and analysis for these clients. (Prerequisites: PHT 2221 and PHT 2221L, Corequisite: PHT 2235L) FA

PHT 2804  PTA Clinical Practicum I  2 sem. hrs.  
This level I clinical experience provides supervised planned learning opportunities for students to apply basic physical therapy principles and techniques under the direction of physical therapists or physical therapists assistants. (Prerequisites: PHT 2211L and PHT 2220L) FA

PHT 2810  PTA Clinical Practicum II  2 sem. hrs.  
This course integrates the practical application of those theories, concepts and manual skills introduced into the classroom and laboratory into a practice setting under the supervision of a physical therapist or physical therapist assistant. (Prerequisite: PHT 2804) SP

PHT 2820  PTA Clinical Practicum III  3 sem. hrs.  
Course is a supervised learning experience in a selected physical therapy setting in which the previously learned didactic information is integrated under the supervision of physical therapist or physical therapist assistant. (Prerequisite: PHT 2804) SP

PHT 2931  PTA Seminar  2 sem. hrs.  
The purpose of this course is to acquaint the physical therapist assistant student with the professional, legal and ethical considerations which are inherent to performance on the job. Membership in professional organiza-
A study of the court system and the litigation process, including preliminary interviews with clients, investigation and marshalling of facts, drafting of all pleadings and motion practice. (Prerequisites: ENC 1101 and BUL 2241) FA

PLA 2303 Criminal Law and the Paralegal 3 sem. hrs.
A study of the origin, structure and definition of criminal law, including criminal prosecution, investigation, pre-trial and trial procedures, and the criminal court system. FA, SU

PLA 2460 Bankruptcy Law 3 sem. hrs.
The purpose of this course is to introduce students to the historical, political, economic and legal principles of bankruptcy law. Lab fee: $5. FA

PLA 2600 Probate Administration 3 sem. hrs.
A study of wills, trusts and estate administration. Analysis of the substantive law in view of drafting and researching the legal issues. (Prerequisites: PLA 1003 and BUL 2241 or permission of chairperson.) Lab fee: $5. SP

PLA 2763 Law Office and Management 3 sem. hrs.
This course is designed to familiarize the student with the practical inner workings of a law office, including its equipment, office procedures and management. SP, SU

PLA 2880 Constitutional Law 3 sem. hrs.
The course is developed both topically and historically to approach the judicial review process, the doctrine of implied powers, the three branches of power, substantive due process along with equal protection, civil rights, free speech and religion. SP

PLA 2905 Directed Study in General Law 1-4 sem. hrs.
FA, SP, SU

PLA 2949 Cooperative Education Experience in General Law 1-4 sem. hrs.
FA, SP, SU

PMT 0101/0101L Welding and Mechanical Blueprint Reading and Lab 2.0 voc. crs.
This course provides students with the understanding and fundamentals of Industrial Blueprint Reading including blueprint symbols, dimensions, joints, fabrication and welding symbols. Prerequisite or Corequisite: PMT 0102/0102L. Corequisite: PMT 0101L. Lab fee: $15. FA, SP

PMT 0102/0102L Welding I and Lab 4.0 voc. crs.
This course introduces the students to the skill of welding by giving the students a basic understanding of the various types of welding (MIG, TIG and Oxy-Acetylene). Students will have an opportunity to learn welding theory in the classroom and receive “hands-on” instruction in the welding lab. (Prerequisite or Corequisite: PMT 0101/0101L. Corequisite: PMT 0102L.) Lab fee: $40. FA, SP

PMT 0121/0121L Shield Metal Arc Welding (SMAW) and Lab 4.0 voc. crs.
This course provides the student with knowledge and skills in Shielded Metal Arc Welding. Inclusive of this is welding terminology and safety, as well as equipment set-up operations and proper welding techniques. (Prerequisites: PMT 0102/0102L and PMT 0101/0101L. Corequisite: PMT 0121L.) Lab fee: $40. FA, SP

PMT 0124/0124L Welding II and Lab 4.0 voc. crs.
This course advances the skill level of the students that already have a basic understanding of welding technology. Students receive instruction in advanced welding theory and become more skilled at the various types of welding which is practiced in a laboratory setting. (Prerequisites: PMT 0102/0102L and PMT 0101/0101L. Corequisite: PMT 0124L.) Lab fee: $40. FA, SP
**PMT 0905** Directed Study in Applied Welding 1-4 sem. hrs. FA, SP

**PMT 1212C/1212L** Machine Tool Technology I and Lab 3 sem. hrs. An introductory course in basic machining and bench work, use of measuring tools, precision layout and cutting tool principles. (Corequisite: PMT1212L.) Lab fee: $15. FA


**PMT 1250C/1250L** Introduction to Computer Numerical Control and Lab 3 sem. hrs. The history and development of CNC including programming methods, setup and operation of CNC drilling, milling and turning machines. Manual and computer assisted programming are taught. (Corequisite: PMT1250L.) Lab fee: $15. FA, SP

**PMT 2225C/2225L** Machine Tool Technology III and Lab 3 sem. hrs. A continuation of Machine Tool Tech. II. Tooling operations, advanced machining, grinding, EDM operation and CMM inspection. Heat testing and cutter grinding. (Corequisite: PMT2225L.) SU

**PMT 2254C/2254L** CNC Programming II and Lab 3 sem. hrs. A continuation of PMT 1250 Intro to CNC. Lathe and mill CNC programming. Tool and fixture offsets, plus outside programming from CAD/CAM software. (Corequisite: PMT2254L.) FA

**PMT 2261C/2261L** Introduction to Computer Aided Manufacturing (Mastercam) and Lab 3 sem. hrs. A continuation of CNC programming from M codes and G codes through conversational. (Corequisite: PMT2261L.) Lab fee: $15. FA

**PMT 2262C/2262L** CAD/CAM II (Mastercam) and Lab 3 sem. hrs. Advanced training on CAD/CAM operation using Mastercam software. Creating machine tool paths from original drawings and transferred files. 2-D and 3-D geometry shapes are also used in format. (Corequisite: PMT2262L.) SP

**PMT 2720C/2720L** EDM Machining Processes and Lab 3 sem. hrs. EDM machining uses electrical energy to remove materials. This course offers training in wire EDM machining and sinker EDM machining. Students will operate and run both types of machines. (Corequisite: PMT2720L.) SU

**PMT 2949** Cooperative Education Experience in Machining 3 sem. hrs. FA, SP, SU

**POS 2041** American Federal Government 3 sem. hrs. Constitutional rights of the individual; structure and functions of our legislative, executive and judicial branches; role of the citizen in political parties and the electoral process. This course meets the 3,000 word minimum Gordon Rule requirement. (Prerequisite or Corequisite: ENC 1101.) FA, SP, SU

**POS 2112** State and Local Government 3 sem. hrs. Introduction to the principles and institutions of state and local government with emphasis on Florida. Explores the structures and functions of state governments, including federal-state and state-local relations. This course meets the 3,000 word minimum Gordon Rule requirement. (Prerequisite or Corequisite: ENC 1101.) FA, SP, SU

**POS 2901** Directed Study in Political Science 1-4 sem. hrs. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) FA, SP, SU

**POS 2949** Cooperative Education Experience in Political Science 1-4 sem. hrs. FA, SP, SU

**PPE 2001** Survey of Personality 3 sem. hrs. Survey of the theoretical bases of the major models of personality and psychotherapy and specific therapeutic techniques and procedures from each. (Prerequisite: Appropriate placement scores or successful completion of college prep courses; or permission of assistant chair or department chairperson. In Human Services, taught as corequisite to HUS 1332 and HUS 1850. Lab fee: $5. SP

**PRN 0000/0000L** Introduction to Nursing and Lab 15.25 voc. crs. Foundation course related to the role of the practical nurse, relationships with other members of the health team, and the common needs of well people. Includes critical thinking; fundamentals of nursing; normal nutrition; vocational, personal and community relationships; introduction to medical-surgical nursing; human growth and development; geriatric nursing; pharmacology; and mental health wellness. (Prerequisites: HSC 1000 and BSC 0070. Corequisite: PRN 0000L.) Lab fee: $130. FA, SP

**PRN 0000P/0000L** Introduction to Nursing and Lab 7.62 voc. crs. Foundation course related to the role of the practical nurse, relationships with other members of the health team and the common needs of well people. Includes critical thinking; fundamentals of nursing; normal nutrition; vocational, personal and community relationships; introduction to medical-surgical nursing; human growth and development; geriatric nursing; pharmacology; and mental health wellness. May be repeated one time for credit. (Prerequisites: HSC 1000 and BSC 0070. Corequisite: PRN 0000L.) Lab fee: $65. FA, SP

**PRN 0042C/0042L** Home Health and Rehabilitation Nursing and Lab 5.8 voc. crs. Foundation course related to the role of the practical nurse, relationship with other members of the health team, and common needs of clients in various settings. Includes: rehabilitation nursing, community health concepts, and basic pharmacology. (Prerequisite: PRN 0000/0000L. Corequisites: PRN 0042L and PRN 0120C/0120L.) Lab fee: $88. SU

**PRN 0042CP/0042L** Home Health and Rehabilitation Nursing and Lab 29 voc. crs. Foundation course related to the role of the practical nurse, relationship with other members of the health team, and common needs of clients in various settings. Includes: rehabilitation nursing, community health concepts, and basic pharmacology. May be repeated one time for credit. (Prerequisite: PRN 0000P/0000L. Corequisite: PRN 0042L.) Lab fee: $45. SU

**PRN 0120C/0120L** Maternal/Child Health Nursing and Lab 5.8 voc. crs. Introduction to the care of newborns, antepartal care of the family to be, care of the laboring woman, the post-partum family, and pediatric patients. Learning activities will emphasize nursing techniques, communication skills, and problem solving in selected situations of nursing practice. (Prerequisite: PRN 0000/0000L. Corequisites: PRN 0120L and PRN 0042C/0042L.) Lab fee: $88. SU
COURSE DESCRIPTIONS

PRN 0120CP/0120L Maternal/Child Health Nursing and Lab 2.9 voc. crs.
Introduction to the care of newborns, antepartum care of the family to be, care of the laboring woman, the post-partum family, and pediatric patients. Learning activities will emphasize nursing techniques, communication skills, and problem solving in selected situations of nursing practice. May be repeated one time for credit. (Prerequisite: PRN 0000P/0000L. Corequisite: PRN 0120L.) Lab fee: $45. SU

PRN 0200/0200L Medical-Surgical Nursing and Lab 15.18 voc. crs.
Learning activities will emphasize nursing techniques, communication skills, problem solving, role responsibility, and employability skills in selected areas of nursing practice. Includes disorders of the following systems: (1) musculoskeletal, (2) nervous, (3) sensory, (4) respiratory, (5) circulatory, (6) renal/urinary, (7) reproductive, (8) gastrointestinal, (9) endocrine, and (10) immune. May be repeated one time for credit. (Prerequisite: PRN 0000P/0000L. Corequisite: PRN 0200L.) Lab fee: $95. FA, SP

PRN 0200P/ 0200L Medical-Surgical Nursing and Lab 7.59 voc. crs.
Learning activities will emphasize nursing techniques, communication skills, problem solving, role responsibility, and employability skills in selected areas of nursing practice. Includes disorders of the following systems: (1) musculoskeletal, (2) nervous, (3) sensory, (4) respiratory, (5) circulatory, (6) renal/urinary, (7) reproductive, (8) gastrointestinal, (9) endocrine, and (10) immune. May be repeated one time for credit. (Prerequisite: PRN 0000P/0000L. Corequisite: PRN 0200L.) Lab fee: $47. FA, SP

PSB 2442 Addictions I – Psychology of Addictions 3 sem. hrs.
Students acquire a knowledge base about a variety of substances abused; understanding addiction, categories of addiction; current trends and evidence based practice in the field, including education, behavioral health, and social sciences; and addiction services available for referrals. This course can be used towards the Transdisciplinary Foundations requirement of the certification boards. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) FA, SP, SU

PSC 1121 Physical Science 3 sem. hrs.
Integrated principles of physical and earth sciences, the scientific method and selected areas of fundamental physics, chemistry, astronomy and meteorology. (Prerequisite or corequisite: ENC 1101 and MAT 1033.) FA, SP, SU

PSC 2905 Directed Study in Physical Science 1-4 sem. hrs.
(Prerequisite: Appropriate placement scores or successful completion of college prep courses.)

PSY 1012 General Psychology 3 sem. hrs.
A scientific study of human behavior in relation to our development, motivation, emotion, perception learning and thinking. This course meets the 3,000 word minimum Gordon Rule requirement. (Prerequisite or corequisite: ENC 1101.) Lab fee: $10. FA, SP, SU

PSY 2905 Directed Study in Psychology 1-4 sem. hrs.
(Prerequisite: Appropriate placement scores or successful completion of college prep courses.) FA, SP, SU

PSY 2930 Special Topics in Psychology 3 sem. hrs.
Special Topics in Psychology is a course that provides students with an opportunity to explore, research, observe, and discuss special topics, problems, current and historical issues, and emerging trends in psychology and society. (Prerequisite: PSY 1012 or permission of chair.) FA, SP

PSY 2949 Cooperative Education Experience in Psychology 1-4 sem. hrs.
FA, SP, SU

QMB 1001 Business Math 3 sem. hrs.
Analytical treatment of practical business financial problems concerning interest, payrolls, financial statement analysis, buying and selling goods, consumer credit, etc. using calculators. FA, SP, SU

REA 0001/0001L Reading I and Lab 4 college prep. crs.
Designed for students scoring below minimum placement scores. Emphasis is placed on improving vocabulary, comprehension and reading rate. Three-hour lecture, two-hour lab required. (REA 0001 cannot be used toward AA, AAS or AS degree requirements. Corequisite: REA 0001L.) Lab fee: $5. FA, SP, SU

REL 2300 World Religion 3 sem. hrs.
A comparative study of religion, with emphasis on Judaism, Christianity, Hinduism, Buddhism, Taoism, Confucianism, Shinto and Islam. This course meets the 3,000 word minimum Gordon Rule requirement. (Prerequisite or corequisite: ENC 1101.) FA, SP, SU

REL 2905 Directed Study in Religion 1-4 sem. hrs.
(Prerequisite: Appropriate placement scores or successful completion of college prep courses.) Designed to increase reading skills in the content areas. FA, SP, SU

RET 1024C/1024L Introduction to Respiratory Care and Lab 2 sem. hrs.
An introduction to the scientific basis for respiratory care. Lecture and laboratory experiences. (Prerequisite: Admission to the Respiratory Care program. Corequisite: RET 1024L) FA

RET 1026C/1026L Fundamentals of Respiratory Care I and Lab 4 sem. hrs.
Fundamentals of basic respiratory care techniques and equipment, including respiratory pharmacology. Introductory chest physiotherapy along with medical gas, humidity and aerosol and hyperinflation therapy. Lecture and laboratory. (Corequisite: RET 1024C/1024L and RET 1026L.) Lab fee: $25. FA

RET 1264/1264L Fundamentals of Respiratory Care II and Lab 4 sem. hrs.
A continuation of basic respiratory care techniques and equipment. Topics emphasized are airway management, arterial punctures and ventilatory support for adult patients. (Prerequisite: RET 1026C/1026L. Corequisite: RET 1264L.) Lab fee: $10. SP

RET 1293 Cardiopulmonary Medicine 3 sem. hrs.
A study of diseases and clinical entities commonly encountered in patients needing respiratory care. (Prerequisites: BSC 1085C/1085L and RET 1485.) SP

RET 1414 Cardiopulmonary Diagnostics 3 sem. hrs.
A study of diagnostic techniques and instrumentation, including pulmonary function, blood gas analysis, electrocardiogram, heart-lung stress testing and other procedures. (Prerequisite: RET 1264C/1264L. Corequisite: RET 1833C.) Lab fee: $5. SU

RET 1485 Cardiopulmonary Anatomy & Physiology 3 sem. hrs.
A detailed study of the structure and function of the heart and lungs, including respiratory related abnormal physiological processes and acid-base status. (Prerequisite: Admission to the Respiratory Care program.) FA

RET 1534 Special Topics in Respiratory Care I 3 sem. hrs.
This course includes a continuation of Mechanical Ventilation including clinical simulations and use of the Human Patient Simulator laboratory. Respiratory Care in alternate sites, i.e. Pulmonary Rehabilitation and Home Care are also discussed in this 10-week summer course. (Prerequisite: RET 1293.) Lab fee: $10. SU
A continuation of Radiographic Exposures and Processing I, with emphasis on surgical imaging, computed fluoroscopic, tomographic, and digital/computed R/F systems. (Prerequisite: RET 2483.)

RTE 2483/2483L Patient Assessment and Interaction and Lab 2 sem. hrs.
An introduction to comprehensive patient assessment. Lecture and laboratory experiences. (Prerequisite: Admission to the Radiologic Care program. (Corequisite: RET 2483L) Lab fee: $10. FA

RTE 2714 Special Topics in Radiographic Care II 3 sem. hrs.
This course discusses Hemodynamic Monitoring including indications, equipment utilized, monitoring, evaluation and recommendations. The second half of this course introduces the evolving field of Pediatric Neonatal Respiratory Care to the assessment and treatment of the newborn and pediatric patient. (Prerequisites: RET 1485 and RET 1293.) FA

RTE 2876 Clinical Respiratory Care III 4 sem. hrs.
Continuation of Clinical Respiratory Care II (critical respiratory care) with emphasis on neonatal and pediatric areas. Rotation through specialty areas including emergency room and post-anesthesia recovery areas. Mini case studies are presented in post conference daily and weekly on assigned patients. (Prerequisites: RET 1833 and RET 1832.) Lab fee: $10. FA

RTE 2877 Clinical Respiratory Care IV 4 sem. hrs.
The students continue their critical care rotations, exposure to special care areas adding skilled nursing facilities, long term care, pulmonary rehabilitation, pulmonary function testing laboratories and neonatal/pediatric areas. Students also complete case studies for oral presentation. As a final project, students will write a term-quality research paper on a pre-approved topic relevant to the practice of respiratory care. (Prerequisite: RET 2876.) Lab fee: $10. SP

RTE 2934 Respiratory Care Seminar 3 sem. hrs.
This capstone course presents a continuation of Pediatric Neonatal Respiratory Care with clinical simulations and future implications. Also discussed is fluid and electrolyte values in the treatment of all populations. The seminar course also provides a review of all materials covered throughout the five-semester program. Computerized self-assessment entry-level and advanced practitioner examinations are administered as a conclusion to this course. Employability skills and the licensure and examination process are also covered. Lab fee: $10. SP

RTE 1000 Fundamentals of Radiologic Technology 1 sem. hr.
Provides extensive understanding of the fundamentals of ionizing, technique, protection, patient care and assessment, ethics, human diversity, body mechanics, medical-legal aspects, history and role of radiographer. SP

RTE 1001 Medical Terminology for Radiographers 1 sem. hr.
Introduction to medical abbreviations, symbols and terms. A word-building system is introduced with related terminology. Understanding of radiographic orders and diagnostic reports are discussed. SP

RTE 1418 Radiographic Exposures and Processing I 2 sem. hrs.
A study of factors that govern and influence the production of an image. Image processing, image receptor systems and accessory devices will be discussed. SP

RTE 1457 Radiographic Exposures and Processing II 2 sem. hrs.
A continuation of Radiographic Exposures and Processing I, with emphasis on grids, image quality and technical factor selection. (Prerequisite: RTE 1418.) SP

RTE 1503 Radiographic Procedures I 2 sem. hrs.
A study of patient positioning, equipment usage and image quality evaluation for exams involving the respiratory system, digestive/biliary system and appendicular skeleton. Emphasis on radiation protection and patient care. (Corequisite: RTE 1503L) SP

RTE 1503L Radiographic Procedures Lab I 1 sem. hr.
Demonstration and student radiographer practice in anatomy and positioning of the chest, abdomen and appendicular skeleton. (Corequisite: RTE 1503.) SP

RTE 1513 Radiographic Procedures II 2 sem. hrs.
Continuation of Radiographic Procedures I. A study of positioning, equipment usage and image quality evaluation of exams of the appendicular skeleton, organ system, shoulder girdle, and bony thorax. Detailed study of pharmacology involving contrast agents. (Prerequisite: RTE 1503.) SU

RTE 1513L Radiographic Procedures Lab II 1 sem. hr.
Demonstration and student radiographer practice in anatomy and radiographic positioning of the organ systems, bony thorax, appendicular skeleton, vertebral column and cranium. (Corequisite: RTE 1513.) SU

RTE 1523 Radiographic Procedures III 2 sem. hrs.
A continuation of Radiographic Procedures III, with emphasis on the vertebral column, cranium and special projections for each system. Study of fluoroscopic, tomographic, and digital/computed R/F systems. (Prerequisite: RTE 1513.) FA

RTE 1804 Radiographic Clinical Education I 3 sem. hrs.
Supervised clinical education in performing radiographic procedures with emphasis on competency evaluation in the respiratory, appendicular and abdominal anatomy. SP

RTE 1814 Radiographic Clinical Education II 3 sem. hrs.
Supervised clinical education in performing radiographic procedures with emphasis on competency evaluation in the appendicular and contrast studies. (Prerequisite: RTE 1804.) SU

RTE 1824 Radiographic Clinical Education III 5 sem. hrs.
Supervised clinical education in performing radiographic procedures with emphasis on competency evaluation on trauma, pediatric patients, and procedures performed outside the department in the abdominal and appendicular skeletons. (Prerequisite: RTE 1814.) FA

RTE 2385 Radiation Biology and Protection 2 sem. hrs.
A study of the principles of cell radiation interactions and radiation protection principles. The student will develop an awareness of the potential harmful effects of radiation and safe usage of radiation for diagnosis and treatment. SP, SU

RTE 2473 Quality Management in Radiography 1 sem. hr.
Study of the components involved in imaging systems with tests and procedures to evaluate them. State and Federal regulations/guidelines will be discussed. Basic pharmacology will be instructed during this course. SP, SU

RTE 2563 Selected Radiographic Special Procedures I 3 sem. hrs.
A study of techniques/procedures other than those used in diagnostic radiology to include anatomy of the cardiac, nervous and reproductive systems, cross-sectional anatomy, and imaging/therapeutic procedures for these systems. SP

RTE 2573 Selected Radiographic Special Procedures II 3 sem. hrs.
A continuation of RTE 2563 with emphasis on surgical imaging, computed tomography, magnetic resonance image, sonography, radiation therapy, nuclear medicine and interventional/catheterization procedures. (Prerequisite: RTE 2563.) FA

RTE 2613 Radiation Physics I 3 sem. hrs.
The physics of diagnostic imaging including analysis and synthesis of energy and matter and their relationship. Detailed study of the atom and the components needed for the production of x radiation. SP
COURSE DESCRIPTIONS

RTV 2623  Radiation Physics II 3 sem. hrs.
A continuation of Radiation Physics with emphasis on the X-ray tube, equipment, x-ray production and interactions with matter. (Prerequisite: RTV 2613.) FA

RTV 2782  Radiographic Pathology 1 sem. hr.
This course provides knowledge of pathologic conditions seen radiographically and their effects on technique and positioning. SP, SU

RTV 2834  Radiographic Clinical Education IV 5 sem. hrs.
Supervised clinical education in performing radiographic procedures with emphasis on competency evaluation on trauma, pediatric patients, and procedures performed outside the department in the axial and appendicular skeletons. (Prerequisite: RTV 1824.) SP

RTV 2844  Radiographic Clinical Education V 6 sem. hrs.
Supervised clinical education in performance of radiographic procedures with emphasis on competency evaluation in Specialized Procedures: CT, MRI, Invasive Radiology, Surgery (Mobile), Radiation Therapy (optional), Nuclear Medicine, Mammography (optional), Cardiac Cath, Ultrasound, Interventional Procedures and in-service on osteoporosis exams. (Prerequisite: RTV 2834.) FA

RTV 2854  Radiographic Clinical Education VI 5 sem. hrs.
Supervised clinical education in performance of radiographic procedures with emphasis on Final Competency Evaluation. (Prerequisite: RTV 2844.) SP, SU

RTV 2930  Radiographic Image Critique 1 sem. hr.
Course provides student with critical thinking and problem solving methods to be utilized in image evaluation to assure appropriate anatomy and/or pathology demonstrated on properly positioned images with high image quality. Students also gain knowledge in performance of repeat analysis. SP

RTV 1940  Broadcast Technology Practicum I 3 sem. hrs.
Level I field placements provide opportunities for students to apply basic television production principles and techniques. The placements complement classroom sessions to provide hands-on participation under the direction of placement supervisors. Students assume production duties in a specified list of television-station roles. (Corequisites: GRA 1741 and DIG 1109 or Permission of assistant chair.) Class materials fee: $20. FA, SP

RTV 1941  Broadcast Technology Practicum II 3 sem. hrs.
This Level II course integrates more advanced practical applications of television production theories, concepts and technical skills in broadcast production setting under supervision of professional personnel. (Prerequisites: RTV 1940, GRA 1741 and DIG 1109.) FA, SP

RTV 2102  Writing for Radio and Television (Broadcast Writing) 3 sem. hrs.
Students will learn presentation styles of broadcasting. The course emphasizes practical broadcast reporting skills by putting them into practice and creating programming for WCEU-Channel 15, the PBS affiliate on campus. (Prerequisites: JOU 1100 or RTV 2300 and MMC 1000 or permission of chairperson.) SP

RTV 2300  Broadcast Research/Newswriting/Presentation Skills 3 sem. hrs.
Basic instruction and practice in news gathering, writing and announcing for radio and TV. Students will create a video portfolio of live performances. This course is offered in live broadcast format on the ITS two-way system. This course meets the 3,000 word minimum Gordon Rule requirement. (Prerequisite: ENC 1101 or permission of chairperson.) FA, SP

RTV 2804  Broadcast Technology and Management Practicum IV 3 sem. hrs.
This Level IV placement will provide students with high-level production, direction and technical training in the context of actual studio and location television productions. (Prerequisites: RTV 2942, TPA 2200 and PGY 2710.) FA, SP

RTV 2942  Broadcast Technology Practicum III 3 sem. hrs.
This Level III course will further develop television production methods and techniques. Students will refine skills in the production roles specified and be evaluated by the site supervisor. (Prerequisites: RTV 1941 and DIG 2705. Corequisite: GRA 2140.) FA, SP

SBM 2000  Small Business Management 3 sem. hrs.
A step-by-step presentation of how to manage and operate a small business. The areas covered include developing a business plan, securing financing, site location, and marketing. FA, SP, SU

SLS 1122  Dynamics of Student Success 3 sem. hrs.
Designed to increase student success through the development of academic and life skills. Topics include study techniques, test anxiety, memory techniques and personal development. Lab fee: $10. FA, SP, SU

SLS 1225  Human Potential Seminar 3 sem. hrs.
Exploration of students’ values, talents, and abilities which direct one’s life in relationship to educational planning, career decisions, personal goals and other human relation skills. Lab fee: $10. FA, SP, SU

SLS 1261  Dynamics of Student Leadership Development 3 sem. hrs.
The course is designed to introduce students to the dynamics of organizational behavior, with emphasis on the relationship between self and group in the leadership process. The course functions as an interactive “leadership laboratory,” in which students explore leadership in relation to individuality, group dynamics, career development and community engagement. Topics include personal and group goal-setting, self-affirmation, conflict resolution, team-building, theories and styles of leadership. (Prerequisite or corequisite: ENC 1101.) FA

SLS 2301  Career Planning 3 sem. hrs.
Structured career planning assistance. Systematic study and review of interests, values, aptitude, employability skills, job search planning, career exploration and communications skills development. Lab fee: $10. FA, SP

SLS 2304  Career Exploration 1 sem. hr.
Structured for self-paced individualized career exploration. Includes systematic review of Career Center library materials and use of computer-based career development programs. FA, SP, SU

SLS 2363  Adults in Transition 1 sem. hr.
Designed to assist adults in finding more personal satisfaction and financial reward in the job market. It focuses on the relationship between self-understanding and potential careers. FA, SP

SOP 2002  Introduction to Social Psychology 3 sem. hrs.
The function of individuals in social groups, with emphasis upon communications, persuasion, attitudes and other practical applications. (Prerequisite or Corequisite: ENC 1101.) FA, SP

SOP 2772  Psychology of Human Sexuality 3 sem. hrs.
A study of the psychological, biological, psychosocial and cultural aspects of human sexuality. (Prerequisite: Appropriate placement scores or successful completion of college prep courses.) FA, SP

SOP 2905  Directed Study in Social Psychology 1-4 sem. hrs.
(Prerequisite: Appropriate placement scores or successful completion of college prep courses.) FA, SP, SU

SPA 1001  Linguistics and Communication Disorders 2 sem. hrs.
This course will introduce beginning level students to speech, language and its development; and hearing characteristics of the deaf and hard of hearing population across varying levels of hearing loss (from mild to profound). (Corequisites: SPA 2615 and SPA 2615L) SP

SPA 1626  Fingerspelling 2 sem. hrs.
This course is designed to improve the receptive and expressive fingerspelling proficiency of the student beyond basic skill levels. (Prerequisites: SPA 2613 and SPA 2613L) SU
SPA 2612 American Sign Language I 3 sem. hrs.
An introduction to American Sign Language vocabulary and structure as used by deaf adults. Emphasis will also be placed on the history and culture of deafness in America. This course would be beneficial to anyone working with the deaf in education, nursing, medicine, business, pre-law, physical education and technical-occupational skills. (Corequisite: SPA 2612L.) This course meets the DBCC foreign language requirement. FA, SP, SU

SPA 2612L American Sign Language I Lab 1 sem. hr.
(Co-requisite: SPA 2612.) This course meets the DBCC foreign language requirement. Lab fee: $10. FA, SP, SU

SPA 2613 American Sign Language II 3 sem. hrs.
(Prerequisites: SPA 2612 and SPA 2612L with a minimum grade of “C” or better or permission of chairperson. Corequisite: SPA 2613L.) This course meets the DBCC foreign language requirement. FA, SP, SU

SPA 2613L American Sign Language II Lab 1 sem. hr.
This course is designed to reinforce in a lab setting material presented in SPA 2613. Students will have directed practice utilizing audiovisual materials emphasizing intermediate level expressive and receptive conversational practice. (Prerequisites: SPA 2612 and SPA 2612L with a minimum grade of “C” or better or permission of chairperson. Corequisite: SPA 2613.) This course meets the DBCC foreign language requirement. Lab fee: $10. FA, SP, SU

SPA 2614 American Sign Language III 3 sem. hrs.
This is an advanced course in American Sign Language for students who have previous course work in Signed English or other manual communication systems, but have no extensive background in grammatical structure and regional idiomatic usage of American Sign Language. The production of non-voiced, conversational, spontaneous signed sentences is the main objective, but continued emphasis of the ability to “read” signed phrases and sentences will also be an integral part of this course. (Prerequisites: SPA 2613 and SPA 2613L. Corequisite: SPA 2614L.) FA

SPA 2614L American Sign Language III Lab 1 sem. hr.
This laboratory course is designed to reinforce in a lab setting material presented in American Sign Language III, through the use of directed practice with audiovisual materials. (Prerequisites: SPA 2613 and SPA 2613L. Corequisite: SPA 2614.) Lab fee: $12. FA

SPA 2615 American Sign Language IV 3 sem. hrs.
This is an advanced course for students who have previous course work in ASL, or other manual communication systems, and who require additional background in the physical characteristics, grammatical structure, regional and idiomatic usages of American Sign Language. (Prerequisites: SPA 2614 and SPA 2614L. Corequisite: SPA 2615L.) SP

SPA 2615L American Sign Language IV Lab 1 sem. hr.
The lab offers a practice component to develop advanced interpreting skills. Course practice materials will parallel theoretical models introduced in SPA 2613. (Prerequisites: SPA 2614 and SPA 2614L. Corequisite: SPA 2615.) Lab fee: $10. SP

SPC 2600 Oral Communication/Research/Presenation Skills 3 sem. hrs.
Basic principles of speech communication, including practice with various types and methods of oral expression. This course meets the 3,000 word minimum Gordon Rule requirement. (Prerequisite: ENC 1101 or permission of chairperson.) FA, SP, SU

SPN 1120/1120L Spanish I and Lab 4 sem. hrs.
Fundamental grammar principles and basic speech patterns, intensive drills in listening and speaking, followed by reading and writing the language. Three-hour class instruction and two-hour language laboratory. (Prerequisite: Appropriate placement scores or successful completion of college prep courses. Corequisite: SPN 1120L.) Lab fee: $5. FA, SP, SU

SPN 1121/1121L Spanish II and Lab 4 sem. hrs.
Continuation of SPN 1120/1120L. Continue to develop basic Spanish conversation, reading and writing skills. Study all tenses and grammar fundamentals. Three-hour class instruction and two-hour language laboratory. (Prerequisite: SPN 1120/1120L. Corequisite: SPN 1121L.) Lab fee: $5. FA, SP, SU

SPN 2220/2220L Spanish III and Lab 4 sem. hrs.
Review of grammar and continued practice of oral Spanish. Reading of simple Spanish and Spanish-American literature. Special attention to vocabulary building and composition. Three-hour class instruction and two-hour language laboratory. (Prerequisite: SPN 2220/2220L. Corequisite: SPN 2220L.) Lab fee: $5. FA, SP

SPN 2221/2221L Spanish IV and Lab 4 sem. hrs.
Continuation of SPN 2220/2220L. Readings from newspapers and magazines for purpose of oral and written presentations in Spanish. Three-hour class instruction and two-hour language laboratory. (Prerequisite: SPN 2220/2220L. Corequisite: SPN 2221L.) Lab fee: $5. SP

SPN 2905 Directed Study in Spanish 1-4 sem. hrs.
FA, SP, SU

SPN 2949 Cooperative Education Experience in Spanish 1-4 sem. hrs.
FA, SP, SU

STA 2023 Elementary Statistics 3 sem. hrs.
Topics include a survey of descriptive statistics and graphs, probability, random variables, confidence intervals, hypothesis testing, sampling, types of distributions, correlation and regression, and statistical applications. (Prerequisite: Placement through CPT or passed MAC1105 or MGF 2106 with grade “C” or better, or permission of chairperson.) $5. FA, SP, SU

STS 0003 Introduction to Surgical Technology 2.03 voc. crs.
An introduction to the medical, legal, ethical and psychological aspects of health care during surgical intervention. Aseptic techniques employed to guard against disease and infection, with methods to combat them. Lab fee: $39. FA

STS 0120 Surgical Specialties I 2.03 voc. crs.
Introduction to various surgical specialties and procedures along with specified human anatomy of the area where the surgical procedure is performed. (Prerequisites: BSC 0070, HSC 1531 and INP 1390.) Lab fee: $50. FA

STS 0121 Surgical Specialties II 2.77 voc. crs.
Introduction to additional surgical specialties and specific human anatomy of the area in which the surgical procedure is performed. (Prerequisite: STS 0120.) SP

STS 0122 Surgical Specialties III 1.0 voc. cr.
Introduction to the final group of complex surgical specialties and procedures along with specific anatomy of the area where the surgical procedure is performed. (Prerequisite: STS 0121.) SU

STS 0155C/0155L Surgical Techniques and Procedures 6.4 voc. crs.
A supervised, well-structured laboratory learning experience in the specialized field of operating room services and patient care. (Corequisite: STS 0003 and STS 0155L.) Lab fee: $50. FA

STS 0255L Surgical Procedures Clinical I 6.4 voc. crs.
Introduction as a surgical technologist by practicing learned skills and acquiring additional skills in clinical affiliate facility’s operating rooms in various surgical specialties and procedures. (Corequisites: STS 0003, STS 0155C and STS 0255L. Corequisite: STS 0212.) Lab fee: $4. SP

STS 0256L Surgical Procedures Clinical II 12.5 voc. crs.
Intermediate participation as a surgical technologist by practicing learned skills and acquiring additional skills in clinical affiliate facility’s operating rooms in various surgical specialties and procedures. (Prerequisites: STS 0003, STS 0155C and STS 0255L. Corequisite: STS 0212.) Lab fee: $4. SP
COURSE DESCRIPTIONS

STOS 0257L Surgical Procedures Clinical III 5.2 voc. crs.
Advanced participation as a surgical technologist by practicing learned
skills and acquiring additional skills in clinical affiliate facility's operating
rooms in various surgical specialties and procedures. (Prerequisites: STS
0255L and STOS 0256L. Corequisite: STS 0122.) Lab fee: $4. SU

STOS 0949 Cooperative Education Training Assignment
in Surgical Technology 1-4 voc. crs.
FA, SP, SU

SGY 2000 Introduction to Sociology 3 sem. hrs.
A systematic and scientific study of social behavior, including social orga-
nization, culture, deviance, cultural behavior and social institutions. This
course meets the 3,000 word minimum Gordon Rule requirement. (Prereq-
uisite or Corequisite: ENC 1101.) FA, SP

SGY 2010 Social Problems and Deviance 3 sem. hrs.
A study of major social problems and deviance in American society empha-
sizing causes, consequences and means of coping with these conditions.
(Prerequisite or Corequisite: ENC 1101.) FA, SP

SGY 2430 The American Family 3 sem. hrs.
Investigation of the issues, changes and trends surrounding the contem-
porary American family. Findings from the field of family sociology will be
compared to life experiences of students. (Prerequisite or Corequisite: ENC
1101.) FA, SP

SGY 2905 Directed Study in Sociology 1-4 sem. hrs.
(Prerequisite or Corequisite: ENC 1101.) FA, SP, SU

SGY 2949 Cooperative Education Experience
in Sociology 1-4 sem. hrs.
(Prerequisite or Corequisite: ENC 1101.) FA, SP, SU

TAX 2000 Personal Income Tax 3 sem. hrs.
A tax study of the individual income tax return, gross income and exclu-
sions, business expenses and retirement plans, self-employed and employ-
ee expenses, itemized and certain other deductions, credits and special
taxes, accounting periods and methods, depreciation, capital gains and los-
ses, withholding, estimated payments and payroll taxes. FA

THE 1000 Dramatic Appreciation 3 sem. hrs.
An introduction to all the basic aspects of theater – the play, the playwright,
the actor, settings and historical periods – using a Golden Ages approach.
This course meets the 3,000 word minimum Gordon Rule requirement. At-

tendance at productions required. (Prerequisite: ENC 1101.) FA, SP, SU

THE 1035 Dramatics I (Acting) 3 sem. hrs.
An introductory course to the Acting process. General development of Form
and Idea in acting and exercises in creating basic dramatic statement. FA

THE 1036 Dramatics II (Acting) 3 sem. hrs.
Basic characterization and scene study focusing on Modern American Real-

ism. Orientation to Stanislavski with the emphasis on realism in imaginary
circumstances. (Prerequisite: THE 1035.) SP

THE 2037 Dramatics III (Theatre Production) 3 sem. hrs.
Scene study in Style and Genre of various historical periods in Theatre.
Exercises in Stanislavski character development. (Prerequisite: THE 1036.)
FA

THE 2038 Dramatics IV (Theatre Production) 3 sem. hrs.
Students will spend semester learning about and working on various as-
psects of a production and then the class will present the play at the end of
the term. (Prerequisite: THE 2037.) SP

THE 2905 Directed Study in Dramatics 1-4 sem. hrs.
FA, SP, SU

THE 2949 Cooperative Education Experience
in Dramatics 1-4 sem. hrs.
FA, SP, SU

TPA 2200 Stagecraft 3 sem. hrs.
A study of the basic principles of set design, stage carpentry and props
construction, with emphasis on performance construction/support. SP

TPA 2949 Cooperative Education Experience
in Stagecraft 1-4 sem. hrs.
FA, SP, SU

TPP 2190C Theatre Rehearsal and Performance 3 sem. hrs.
The class will focus on stage and acting basics as they are applied to the
production of a play or musical play. May be repeated one time for credit.
(Prerequisite: Permission of chairperson through audition.) Lab fee: $10.
FA, SP

VPI 0100C Vocational Preparatory Reading 1 voc. prep. crs.
This vocational preparatory course provides open-entry/open-exit instruc-
tion in reading and workforce readiness skills. The course provides indi-

vidualized instruction tailored to the students’ needs and learning styles.
(Prerequisite or Corequisite: VPI 0521C.) FA, SP, SU

VPI 0200C Vocational Preparatory Mathematics 1 voc. prep. crs.
This vocational preparatory course provides open-entry/open-exit instruc-
tion in mathematics and workforce readiness skills. The course provides in-
dividualized instruction tailored to the students’ needs and learning styles.
(Prerequisite or Corequisite: VPI 0521C.) FA, SP, SU

VPI 0300C Vocational Preparatory Language 1 voc. prep. crs.
This vocational preparatory course provides open-entry/open-exit instruc-
tion in language and workforce readiness skills. The course provides indi-

vidualized instruction tailored to the students’ needs and learning styles.
(Prerequisite or Corequisite: VPI 0521C.) FA, SP, SU

VPI 0521C Vocational Preparatory Workforce
Readiness Skills 1 voc. prep. crs.
This vocational preparatory course provides open-entry/open-exit instruc-
tion in workforce readiness skills. The course provides individualized in-
struc tion tailored to the students’ needs and learning styles. This course is a
prerequisite or corequisite for vocational preparatory language, math-
ematics and reading courses or can be taken as a stand alone course. Lab
fee: $10. FA, SP, SU

WOH 1001 Introduction to World Civilization 3 sem. hrs.
An overview of ancient, medieval and modern civilizations in Asia, Africa,
Europe, and the Americas. Emphasis on encounter and exchange through
World War I. This course meets the 3,000 word minimum Gordon Rule re-
quirement. (Prerequisite or Corequisite: ENC 1101.) FA, SP

WST 2010 Women’s Studies Seminar 3 sem. hrs.
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