

**HUM 1905****Independent Study – Arts and Humanities, 1 credit hour (Offered as needed)**

A defined independent study which is pursued under supervision of a faculty directing teacher and recorded through departmental procedures. Designed to permit a student to pursue nonscheduled academic and laboratory work which may be of a specialized or advanced nature and not available through classes or courses available on a college schedule. Departmental approval is required.

NOTE: If this course is used to satisfy writing requirements for transfer courses to OWCC, a 6,000 word paper with a minimum grade of "C" is required. This course may be taken up to four (4) times for credit.

**HUM 2700****Humanities – Foreign Study, 3 credit hours, 15 lec., 60 lab. (Offered as needed)**

A variable humanities content course designed to allow students first-hand learning experiences outside the United States.

**HUM 2905****Directed Work Study – Art Humanities, 1 credit hour, 45 hours (Offered as needed)**

Directed experience in instructional, laboratory and/or materials assistance in a designated Arts-Humanities area. This course may be taken up to four (4) times for credit.

**HUM 2906****Tutorial – Arts and Humanities, 1 credit hour, 30 lab. (Offered as needed)**

A program which awards credit recognition to outstanding students who volunteer to assist or tutor other students having remedial and specific academic or laboratory needs in a designated subject. Student tutors are recommended by faculty teaching a designed course and are supervised through the Counseling Office. May be taken four (4) times for credit.

**HUM 2920****Humanities Colloquium – 1 credit hour, 5 lec., 20 lab. (Fall, Spring, Summer)**

Humanities Colloquium is a lab designed to introduce students to critical visual and listening skills to become an intelligent arts consumer. Initial lecture sessions are devoted to discussions of the elements of analysis of art works, music pieces, theatre performances, and dance presentations. Students will be required to attend selected OWCC Visual and Performance Arts presentations and to write a short critical review of each. Topics may vary.

**HUN 2410A\*****Child Nutrition and Health, 3 credit hours, 45 lec. (Offered as needed)**

Methods of meeting physical needs of young children through nutrition and good health practices. Recognition of childhood diseases and care of the handicapped child.

**HUN 2201  $\Delta$** **Nutrition, 3 credit hours, 45 lec. (Fall, Spring, Summer)**

The role of nutrients in maintenance of physiological well-being. Application of nutrition principles to the individual and family as well as to some selected problems.

**INR 2002****Current World Problems, 3 credit hours, 45 lec. (Summer)**

Critical world issues and immediate troubled areas against a historical, political, economic, and social background as an introduction to international relations. The individual student develops a special area of interest to explore in-depth the principles of international relations after their instruction.

**ISS 1905****Independent Study – Social Science, 1 credit hour, 45 hours (Offered as needed)**

Directed study and individual projects designed to meet the needs of students interested in a specialized area of the social sciences for which present course availability is limited. This course may be taken up to four (4) times for credit.

**JOU 1100****Journalism I, 3 credit hours, 15 lec., 30 lab. (Offered as needed)**

Teaches the basics of straight news story writing, photography, copy preparation, editing, layout, and design of publications with an emphasis on newspapers and magazines. Prerequisite: High School English and typing preferable.

**LIN 1670****Writing and Grammar, 3 credit hours, 45 lec., (Fall, Spring, Summer)**

The course includes practice in writing short essays and encompasses a comprehensive review of grammar and mechanics. Placement is determined by (1) a grade of "C" or better in ENC 0080 or (2) by a score of 83 or above on the Florida College Placement Test. This course is strongly recommended for students scoring 83-91 on the FCPT. Prerequisites: ENC 0080 with a grade of "C" or better or placement scores of 83-91 on the FCPT.

**LIN 1742****English Grammar and Style, 3 credit hours, 45 lec. (Offered as needed)**

Principles and rules of traditional and modern English grammar and effective style.

\* This college credit course is not intended for transfer and may not be applied toward the A.A. degree.

$\Delta$  Technology-Across-the Curriculum Course

**LIS 1001**

**Library Skills, 1 credit hour, 30 lab. (Offered as needed)**

A course creating learning situations in which individual students can become effective independent users of Learning Resources facilities.

**LIS 2004 Δ**

**Introduction to Internet Research, 1 credit hour, 30 lab. (Offered as needed)**

Introduction to Internet Research is a one-credit hour course offered by the Florida Public Community College system. This course is delivered via the World Wide Web and Internet e-mail. The course focuses on methods of accessing information resources available through the Internet. Students will learn to design search strategies, retrieve, evaluate, and cite Internet resources. The World Wide Web, e-mail, discussion groups, chat, FTP, Gopher, and Telnet are some of the topics covered. Prerequisite: A full service Internet account, including an electronic mail address from an Internet Service Provider (ISP), or access through a corporate or educational institution prior to beginning the course.

**LIT 2090**

**Contemporary Literature, 3 credit hours, 45 lec. (Offered as needed)**

Studies in modern drama, prose, and poetry, focusing on their comments on modern man. May be used as Humanities credit.

**LIT 2100**

**World Literature, 3 credit hours, 45 lec. (Fall, Spring, Summer)**

Designed to encourage students to know and appreciate something of the great literature which helps to mold their thinking and everyday living. To include, without regard to national origin, those masterpieces of the Western World which reflect their cultural and intellectual heritage. May be used as a Humanities credit.

**MAC 1105**

**College Algebra, 3 credit hours, 45 lec. (Fall, Spring, Summer)**

Function-based college algebra course which will include the following topics: functions; inverse functions; linear, quadratic, and rational functions; absolute value and radical functions; exponential and logarithmic properties, functions, and equations; systems of equations and inequalities; and applications of functions (curve fitting, modeling, optimization, exponential/logarithmic growth and decay). Graphing calculators are required. Prerequisites: MAT 1033A "Intermediate Algebra" or equivalent with a "C" or better or suitable placement score.

**MAC 1114**

**Trigonometry, 3 credit hours, 45 lec. (Fall, Spring, Summer)**

Typical modern trigonometry course. Graphing calculators are required. Prerequisite: MAC 1140 with a grade of "C" or better, or equivalent.

**MAC 1140**

**Pre-Calculus Algebra, 3 credit hours, 45 lec. (Fall, Spring, Summer)**

First course in a two-course pre-calculus sequence. Covers equations and inequalities; linear, quadratic logarithmic and exponential functions and relations; systems of equations, matrices and determinants mathematical proof techniques, including mathematical induction. Binomial theorem, sequences and series; and applications of algebraic techniques in the real world. Graphing calculators will be required. Prerequisite: Completion of MAC 1102 or MAC 1105 with a grade of "C" or better, or equivalent.

**MAC 1147**

**Precalculus Algebra/Trigonometry, 4 credit hours, 60 lec. (Fall, Spring, Summer)**

This course reviews algebra and trigonometry. Topics include polynomial, rational, exponential, logarithmic, and trigonometric functions, inverse functions, trigonometric identities and equations, solutions of triangles, vector algebra, topics from analytical geometry, sequences, series, mathematical induction and the binomial theorem. Graphing calculators are required. Prerequisite: High School trigonometry with a "B" or better.

**MAC 1154**

**Analytic Geometry, 3 credit hours, 45 lec. (Offered as needed)**

Typical modern analytic geometry course in two- and three-dimensional space. Prerequisite: Completion of MAC 1140 and MAC 1114 with a grade of C or better or equivalent.

**MAC 2233**

**Calculus for Business, 3 credit hours, 45 lec. (Offered as needed)**

A Calculus course covering limits, continuity, differentiation, and integration with emphasis on business applications. There is some mathematical theory; but, in general, topics are approached from an intuitive and applied point of view. Graphing calculators are required. Prerequisite: Grade of "C" or better in MAC 1105 or equivalent.

**MAC 2311**

**Calculus I, 4 credit hours, 60 lec. (Fall, Spring, Summer)**

First course in a three-course sequence. Covers limits and continuity, rules of differentiation, the chain rule, derivatives of trigonometric functions, derivatives of logarithmic functions, derivatives of exponential functions, derivatives of inverse trigonometric functions, applications of derivatives to curve sketching, L'Hopital's Rule, indeterminate forms and maxima/minima problems, the mean value theorem, Rolle's theorem, the definite and indefinite integrals and the Fundamental Theorem of Integral Calculus, area, and applications of integrals. Graphing calculators are required. Prerequisite: Completion of MAC 1140 and MAC 1114 or MAC 1147 with a grade of "C" or better, or equivalent.

\* This college credit course is not intended for transfer and may not be applied toward the A.A. degree.

Δ Technology-Across-the Curriculum Course

**MAC 2312**

**Calculus II, 4 credit hours, 60 lec. (Fall, Spring, Summer)**

Second course in a three-course sequence. Techniques for finding areas, volumes, and lengths and surface areas; applications using first order differential equations; methods of integration including integration by parts, trigonometric substitution, and partial fractions; improper integrals, conic sections with rotation of coordinates; graphing and area in polar coordinates; infinite sequences and series; tests for absolute and conditional convergence of series; power series. Graphing calculators are required. Prerequisite: Completion of MAC 2311 with a grade of "C" or better or equivalent.

**MAC 2313**

**Calculus III, 4 credit hours, 60 lec. (Fall, Spring, Summer)**

Third course in a three-course sequence. Vectors and vector functions; dot product, cross product, curvature, and motion in space; quadric surfaces; functions of two or more variables, partial derivatives, gradients, directional derivatives, tangent lines and planes, and application of partial derivatives to maxima/minima; Lagrange multipliers, Taylor's formula; multiple integrals in rectangular, cylindrical, and spherical coordinates, and their applications; line integrals; Green's theorem, surface area, the divergence theorem and Stokes's theorem. Graphing calculators are required. Prerequisite: Completion of MAC 2312 with a grade of "C" or better, or equivalent.

**MAN 1161\***

**Customer Service, 3 credit hours, 45 lec. (Offered as needed)**

A practical course in successful customer service processes and procedures, including telephone techniques, dealing with customer complaints, interpersonal communication skills, dealing with difficult people, response to complaints, protecting confidentiality, and related topics.

**MAN 2021\***

**Management, 3 credit hours, 45 lec. (Offered as needed)**

Each function of management is analyzed and described in a systematic manner. Both the distilled experience of practical managers and the findings of scholars are presented. Other aspects of management are presented such as management process and concepts analysis of the technical knowledge and skills of managers, influences upon managerial decision-making process, and the psychological principles inherent in management.

**MAN 2300\***

**Personnel Management, 3 credit hours, 45 lec. (Offered as needed)**

An introduction to personnel practices and procedures. Topics include the personnel management system, maximizing employee potential, organizational behavior, and labor management relations.

**MAN 2905\***

**Independent Study – Business, 1 credit hour, 15 lec., 30 lab. (Fall Spring, Summer)**

Directed study and individual projects designed to meet the needs of students interested in specialized areas of business for which present course availability is limited. Areas of study can also be supplemented to present business courses for special emphasis or depth. May be taken up to four (4) times for credit.

**MAN 2940\***

**Directed Work Study – Business, 1 credit hour, 45 lab. (Fall, Spring, Summer)**

Directed experience in instructional, laboratory and/or materials assistance in a designated business area. May be taken up to four (4) times for credit.

**MAP 2302**

**Differential Equations, 3 credit hours, 45 lec. (Fall, Spring)**

An introduction to ordinary differential equations with an emphasis on first and second order linear equations and applications. Prerequisite: Either completion of MAC 2312 or MAC 2313 with a "C" or better and concurrent enrollment in MAC 2313. Equivalent courses from other institutions may be used to meet the prerequisite.

**MAR 2011**

**Introduction to Marketing, 3 credit hours, 45 lec. (Offered as needed)**

An introductory course in the field of marketing including a look at marketing as it exists in our economy today. Consideration of the market, the product, distribution channels. Special emphasis on the study of human behavior in marketing promotion.

**MAS 2103**

**Linear Algebra, 3 credit hours, 45 lec. (Offered as needed)**

An introductory course in Linear Algebra intended to give students enough insight to enable successful pursuit of more abstract mathematics courses. Graphing calculators are required. Prerequisite: MAC 2311 with a grade or "C" or better, or equivalent.

**MAT 1033A**

**Intermediate Algebra, 4 credit hours, 60 lec. (Fall, Spring, Summer)**

An intermediate algebra course to prepare students for general education mathematics/statistics courses. This course emphasizes the following concepts, techniques, and applications of the following major topics; factoring, algebraic functions, radicals and rational exponents, complex numbers, quadratic equations, rational equations, two-variable linear equations/inequalities and their graphs, systems of linear equations and inequalities, and an introduction to functions. Prerequisite: suitable placement score or completion of MAT 0024 (or equivalent) with a grade of "C" or better and a passing score on the college prep algebra exit exam.

\* This college credit course is not intended for transfer and may not be applied toward the A.A. degree.

**MAT 2905**

**Independent Study – Mathematics, 1 credit hour, 30 lab. (Fall, Spring, Summer)**

A course designed to allow a student to complete part of a course taken elsewhere and thereby complete general education requirements or to go deeper into special areas of interest. Prerequisite: Passing score on placement exam.

**MCB 1000C**

**Microbiology, Allied Health, 4 credit hours, 45 lec., 30 lab. (Fall, Spring, Summer)**

This course is designed for students entering programs in the numerous health fields, but primarily for pre-nursing students. The material presented covers the fundamentals of microbiology needed to understand the biology of infectious diseases and the agents that cause them. Not accepted as satisfying requirements for majors in biology, premed, prevet, and predentistry.

**MCB 2013C**

**Microbiology, 4 credit hours, 30 lec., 60 lab. (Offered as needed)**

A fundamental course in microbiology designed to fulfill the needs of pre-med., nursing and pharmacy students as well as science majors. A general survey of microbiology, the cultivation and observation of microorganism and their chemical and biological relationships to water, food, industrial processes and disease. Prerequisites: BOT 1010C, ZOO 1010C, and CHM 1045C (May be taken concurrently).

**MET 1010**

**Introduction to Meteorology, 4 credit hours, 60 lec. (Fall, Spring)**

Structure of the atmosphere, weather processes, systems and phenomena; climate and climatic change, economic impact of weather.

**MGF 1106**

**Mathematics for Liberal Arts, 3 credit hours, 45 lec. (Fall, Spring, Summer)**

This course is designed for those students requiring only general education mathematics courses. It includes systematic counting, probability, statistics, and history of mathematics, geometry, sets and logic. Prerequisite: Completion of MAT 1033/1033A or higher mathematics course with a grade of "C" or better, or equivalent or suitable placement score.

**MGF 1107**

**Mathematics for Liberal Arts II, 3 credit hours, 45 lec. (Fall, Spring, Summer)**

This course is designed for those students requiring only general education mathematics courses. Topics include numeration and mathematical systems, number theory, linear and exponential growth, history of mathematics, voting techniques, graph theory, and consumer mathematics. Prerequisites: MAT 1033/1033A or higher level math with a grade of "C" or better or appropriate placement score.

**MGF 2118**

**Math Preparation for CLAST, 1 credit hour, 15 lec. (Fall, Spring, Summer)**

A short course dealing with mathematical skills needed for successful completion of coursework in a variety of disciplines. Prerequisite: Completion of a general education mathematics course.

**MKA 2021\***

**Professional Selling, 3 credit hours, 45 lec. (Offered as needed)**

Selling, correct attitudes and personal attributes for dealing with the public on a business or professional basis.

**MKA 2041\***

**Retail Management, 3 credit hours, 45 lec. (Offered as needed)**

Retail store management, location, buying merchandise, control policies, services, pricing, expenses, profits: training and supervision of retail sales forces, administrative problems. Also includes a variety of current perspectives in retailing management.

**MKA 2511\***

**Introduction to Advertising, 3 credit hours, 45 lec. (Offered as needed)**

Advertising as a marketing tool, its planning, creation, and use. A survey of copy writing, layout, and media (newspapers, magazines, radio, television, films, etc.)

**MNA 1016\***

**Industrial Management I, 3 credit hours, 45 lec. (Offered as needed)**

The course presents the functions of a manager, the views, techniques, and responsibilities of management. Included also are planning, forecasting, organizing, theory, staffing, and other related topics.

**MNA 1307\***

**Training Methods, 3 credit hours, 45 lec. (Offered as needed)**

Coverage includes conducting small-group meetings, discussion groups, focus groups, facilitating one-on-one training and mentoring partnerships, presenting lectures, and making demonstrations.

**MNA 1308\***

**Developing Training Program, 3 credit hours, 45 lec. (Offered as needed)**

Coverage includes strategic planning, curriculum planning, program development, course development, and lesson planning. As they relate specifically to customized training offered in a business setting. Other topics include identifying training needs, developing a training budget and justifying training costs.

**MNA 1309\***

**Evaluating Training, 3 credit hours, 45 lec. (Offered as needed)**

Coverage includes developing training objectives and monitoring their accomplishment; measuring the value of training; evaluating learning through testing and on-the-job observation; and tying training to performance evaluations.

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**MNA 1345\***

**Supervision I, 3 credit hours, 45 lec. (Offered as needed)**

The course presents the functions of a personnel manager, philosophy of general management, organizational structure, employer socio-economic climate and career information. Included also are job descriptions and specifications, recruiting practices, applications, resumes, interviewing, placement, performance appraisals, wage and salary administration and other related topics.

**MNA 1346\***

**Supervision II, 3 credit hours, 45 lec. (Offered as needed)**

The course presents a continuing study of the functions of a personnel manager, philosophy of general management, employee socio-economic climate and other information. Included, also, are orientation, training, labor unions, safety, health and other related topics.

**MNA 2100\***

**Organizational Behavior, 3 credit hours, 45 lec. (Fall, Spring, Summer)**

Designed to help students develop an understanding of how they may be motivated to work together in greater harmony in all kinds of organizations. The basis of human motivation and how it is influenced by leadership, the organization itself, and the social environment in which the organization exists.

**MNA 2141\***

**Leadership Techniques, 3 credit hours, 45 lec., (Offered as needed)**

The course presents the role of leaders in an organizational setting, their views, techniques, responsibilities and behavior; leadership involvement and interaction between the leader, the followers and the situation.

**MNA 2141A\***

**Leadership Development, 3 credit hours, 45 lec., (Offered as needed)**

This course is designed to provide emerging and existing leaders the opportunity to explore the concept of leadership and to develop and improve their leadership skills. The course integrates readings from the humanities, experiential exercises, films, and contemporary readings on leadership.

**MTB 1103\***

**Business Mathematics, 3 credit hours, 45 lec. (Fall, Spring, Summer)**

Presents basic principles used to solve everyday business problems, including a review of basic skills and business terminology. Topics in the course include: base, rate and percentage; trade and cash discounts, wage and salary administration; insurance (fire and automobile); depreciation and business profits; distribution of corporate dividends; simple interest and bank discount and buying and selling of corporation bonds and stocks. Prerequisite: Score of 32 or higher on FCPT or successful completion of MAT 0002A or higher math course.

**MTB 1321\***

**Technical Math I, 3 credit hours, 45 lec. (Offered as needed)**

This course will include a basic arithmetic and algebraic operations, converting between scientific and engineering notations; solving linear equations and inequalities, converting units of measure, using linear equations to solve problems in science and technology applications, and solving geometry applications by geometry of triangle concepts. Prerequisite: MAT 0024 with a grade of "C" or better, or appropriate test scores.

**MTB 1322\***

**Technical Math II, 3 credit hours, 45 lec. (Offered as needed)**

This course will include solving linear and quadratic equations, solving systems of linear equations, solving trigonometric right triangle applications, graphing linear, quadratic, and trigonometric functions, computation of complex numbers, vectors, and phasors, conversion of rectangular and polar coordinates, and converting between binary and decimal systems. Prerequisite: MTB 1321 with a grade of "C" or better.

**MUH 1011†**

**Humanities – Music, 3 credit hours, 45 lec. (Offered as needed)**

Designed to develop a more intelligent understanding and appreciation of music. Brings about an awareness of music as a vital source in human life, including the advantageous utilization of leisure time and developing positive attitudes toward culture and the fine arts.

**MUM 2300**

**Introduction to the Music Industry, 3 credit hours, 45 lec. (Fall, Spring, Summer)**

This course is as an introduction to the history, principles, and practices of the music industry. Topics will include music publishing, copyright, distribution, industry organization, producing, and general business functions.

**MUM 2600**

**Recording Techniques I, 3 credit hours, 30 lecture, 30 lab. (Fall, Spring, Summer)**

This course is designed as an introduction to basic audio engineering and studio practices. Listening exercises, psychoacoustics, microphone characteristics, and studio etiquette will be studied. In addition the student will study techniques and practices and procedures of multi-track recording, acoustical balancing, editing, and over dubbing in a variety of situations. Corequisite: MUM 2600L.

**MUM 2600L**

**Recording Lab, 1 credit hour, 30 lab. (Fall, Summer, Spring)**

This course is designed to provide students with "hands on" experience in conjunction with live performance activities. This course may be taken three (3) times for credit.

\* This college credit course is not intended for transfer and may not be applied toward the A.A. degree.

† Courses listed with this symbol contain an oral communication component and may be used to satisfy the Speaking-Across-the-Curriculum requirement.

**MUM 2601**

**Recording Techniques II, 3 credit hours, 30 lecture, 30 lab. (Fall, Spring, Summer)**

This course explores advanced multi-track recording skills and audio production techniques, edits, use of outboard equipment and live multi-track recording. Prerequisite: MUM 2600; corequisite: MUM 2600L.

**MUM 2604**

**Multi-Track Mixdown (Post Production), 3 credit hours, 30 lecture, 30 lab. (Fall, Spring, Summer)**

This course explores the application of signal processing equipment as it relates to multi-track master mixdowns. In addition, software and hardware application of mixdown is applied to post-production practices. Prerequisite: MUM 2601; corequisite: MUM 2600L.

**MUN 1000**

**Summer Ensemble Workshop, 3 credit hours, 15 lec., 60 lab. (Summer)**

An ensemble workshop open to any student who desires to improve vocal and physical presentation skills. A variety of musical physical styles will be studied and performed. Students participating in Summer Ensemble Workshop will be expected to participate in several scheduled performances. Prerequisite: experience in high school or a desire to learn.

**MUN 1001**

**Summer Ensemble Workshop II, 3 credit hours, 15 lec., 60 lab. (Summer)**

An ensemble workshop and performance to improve vocal and physical presentation skills. A variety of musical physical styles will be studied and performed. Students participating in Summer Ensemble Workshop II will be expected to participate in several scheduled performances. Prerequisite: MUN 1000.

**MUN 1002**

**Summer Ensemble Workshop III, 3 credit hours, 15 lec., 60 lab. (Summer)**

An ensemble workshop open to any student who desires to improve vocal and physical presentation skills. A variety of musical physical styles will be studied. Students participating in Summer Ensemble Workshop will be expected to participate in several scheduled performances. Prerequisite: MUN 1001.

**MUN 1210**

**OWCC Symphony Orchestra I, 1 credit hour, 45 lab. (Fall, Spring)**

A music organization providing an outlet and learning experience to study and perform standard orchestra literature, to improve individual instrumental skills, and to sharpen ensemble techniques. The Symphony occasionally performs with guest artists, choral groups and theatre ensembles. This course may be taken four (4) times for credit. Prerequisite: experience in symphony orchestra or symphonic band.

**MUN 1340A**

**OWCC Show Choir I, 1 credit hour, 45 lab. (Fall, Spring)**

A study of the fundamental techniques and principles of integrating dance, voice, music and acting into a performance show choir. Training in voice, jazz movement, character interpretation and personality presentation is covered. Membership is open to all part-time or fulltime students on a credit or audit basis. All music majors and performance majors must participate. The show choir appears in public performances at frequent intervals throughout the year. Prerequisite: Audition, consent of Department, music or performance minor. This course may be taken four (4) times for credit.

**MUN 1360**

**Madrigal Singers I, 1 credit hour, 45 lab. (Offered Fall, Spring)**

Course teaching madrigal styles to include a cappella, Renaissance madrigals (choral settings of love songs), as well as choral folk songs. May be repeated four times for credit. Prerequisites: audition based on vocal quality, musicianship and sight reading ability.

**MUN 1390**

**Symphonic Chorus I, 1 credit hour, 45 lab. (Fall, Spring)**

A music organization open through auditions to any student. The Symphonic chorus will study and perform literature for the large sized chorus. Prerequisite: Audition or permission of instructor. May be taken up to four (4) times for credit.

**MUN 1421**

**Flute Ensemble, 1 credit hour, 30 contact, 30 lab. (Fall, Spring)**

The study and performance of flute ensemble and flute choir music in a musical group. May be taken four (4) times for credit. Prerequisites: audition or instructor recommendation only.

**MUN 1700**

**Jazz/Rock Laboratory, 1 credit hour, 30 lab. (Fall, Spring)**

A performance ensemble designed to develop the creative artistry of the musician, without the limitations of a particular style. Under faculty supervision this course will focus on the performance of original compositions by the Jazz/rock Laboratory Ensemble. Instrumentation: all instruments and voice. May be taken four (4) times for credit. Prerequisite: strong music performance background.

**MUN 1710A**

**Rock and Jazz Ensembles I, 1 credit hour, 45 lab. (Offered as needed)**

Music performing organization open to any student who wants to develop his or her performance repertoire. Laboratory studies include techniques of performing music, literature, practices, styles and media applicable to designated organized ensemble. May be taken four times for credit. Prerequisite: Some experience in high school bands, etc. This course may be taken up to four (4) times for credit.

**MUN 1720A**

**Rock and Jazz Ensembles II, 1 credit hour, 45 lab. (Fall, Spring)**

Music performing organization open to any student who wants to develop his/her performance repertoire. Laboratory studies include techniques of performing music, literature, practices, styles and media applicable to designated organized ensemble. Prerequisite: Some experience in high school bands, etc. This course may be taken up to four (4) times for credit.

**MUN 2211**

**OWCC Symphony Orchestra II, 1 credit hour, 45 lab. (Fall, Spring)**

A music organization providing an outlet and learning experience to study and perform standard orchestra literature, to improve individual instrumental skills, and to sharpen ensemble techniques. The Symphony occasionally performs with guest artists, choral groups and theatre ensembles. This course may be taken four (4) times for credit.

**MUN 2361**

**Madrigal Singers II, 1 credit hour, 45 lab. (Fall, Spring)**

Madrigal Singers is an advanced choral ensemble composed of approximately 12 to 14 singers. Maybe taken 4 times for credit. Prerequisite: MUN 1360.

**MUN 2371**

**OWCC Show Choir II, 1 credit hour, 45 lab. (Fall, Spring)**

A study of the fundamental techniques and principles of integrating dance, voice, music and acting into a performance show choir. Training in voice, jazz movement, character interpretation and personality presentation is covered. Membership is open to all part-time or fulltime students on a credit or audit basis. All music majors and performance majors must participate. The show choir appears in public performances at frequent intervals throughout the year. Prerequisite: MUN 1340A, Show Choir I. This course may be taken four (4) times for credit.

**MUN 2392**

**Symphonic Chorus II, 1 credit hour, 45 lab. (Fall, Spring)**

A music organization open through auditions to any student. The Symphony Chorus will study and perform literature for the large sized chorus. This course may be taken up to four (4) times for credit. Prerequisite: MUN 1390.

**MUS 1905**

**Independent Study – Music, 1 credit hour (Offered as needed)**

A defined independent study which is pursued under supervision of a faculty directing teacher and recorded through departmental procedures. Designed to permit a student to pursue non-scheduled academic and laboratory work which may be of a specialized or advanced nature and not available through classes or courses available on a college schedule. Departmental approval required. If this course is used to meet Gordon Rule requirements, a writing assignment of 1000-6000 words may be required. This course may be taken four (4) times for credit.

**MUT 1001**

**Fundamentals of Music, 3 credit hours, 45 lec. (Fall, Spring)**

A pre-theory course for the nonmusic major, or for the elementary education major. Included are the studies of reading clefs, rhythm, notation, scales, and doing simple keyboard and sight-singing exercises. The emphasis is on developing music reading skills.

**MUT 1121 Δ**

**Music Theory I/Ear Training and Sight Singing, 3 credit hours, 30 lec., 30 lab. (Offered as needed)**

A study of the fundamentals of basic musicianship, music notation, understanding of simple rhythms, key situations, intervals, ear training, dictation, sightsinging, major and minor scales, intervals, triads, chords, polyphonic composition and elementary keyboard work. Prerequisite: Students wishing to take Music Theory I should have a strong background in music (high school chorus, bands, etc.).

**MUT 1122 Δ**

**Music Theory II/Ear Training and Sight Singing, 3 credit hours, 30 lec., 30 lab. (Offered as needed)**

A continuation of MUT 1121. Basic musicianship, writing and reading of music, ear training, dictation, sightsinging will be studied, as well as major and minor scales, intervals, triads, seventh chords, inversions, cadences, periods and progressions in all keys. Two, three and four part chords and polyphonic composition. Prerequisite: MUT 1121.

**MUT 1641**

**Jazz Improvisation I, 2 credit hours, 15 lec., 30 lab. (Fall, Spring)**

A course designed to introduce the student to the concepts of Jazz Improvisation. Through active participation the student will develop the basic skills necessary to become a competent jazz soloist. This course may be taken two (2) times for credit. Prerequisite: MUT 1121.

**MUT 2126**

**Music Theory III/Ear Training and Sight Singing, 3 credit hours, 30 lec., 30 lab. (Offered as needed)**

A continuation of MUT 1121 and MUT 1122. The harmonization and modulation of melodies through the use of nondominant harmony and the study of sequence writing. Incorporates keyboard harmony plus sight reading of chromatic melodies, large intervals, and advanced rhythms. Prerequisite: MUT 1122.

**MUT 2127**

**Music Theory IV/Ear Training and Sight Singing, 3 credit hours, 30 lec., 30 lab. (Offered as needed)**

The continued study of harmonization of melodies, sequence writing, sight reading, intervals, advanced rhythms and structures. Prerequisites: MUT 2126.

Δ Technology-Across-the Curriculum Course

**MUT 2351**

**Introduction to Jazz Theory/Arranging, 3 credit hours, 45 lec. (Offered as needed)**

A lecture-demonstration-workshop, approach to jazz/pop arranging open to any student who wants to begin or understand composing/arranging. Studies include jazz/pop harmonies, arranging fundamentals and techniques, and the use of jazz/pop instrumentation. Workshop practices include assigned arrangements with the arrangements played by the jazz ensemble, and other audio demonstrations. Prerequisite: MUT 1122.

**MUT 2642**

**Jazz Improvisation II, 2 credit hours, 45 lec., 30 lab. (Fall, Spring)**

A continuation of MUT 1641 Jazz Improvisation I. This course is designed to further develop the skills needed to become a competent soloist in the jazz idiom. This course may be taken two (2) times for credit. Prerequisite: MUT 1641.

**MVB 1201**

**Applied Music Secondary – Brass I, 1 credit hour, 7.5 lab. (Offered as needed)**

Private instruction: 1/2 hour private lesson per week. Minimum one hour daily practice. For nonmusic majors and music majors. Course may be taken four (4) times for credit.

**MVB 2202**

**Applied Music Secondary – Brass II, 1 credit hour, 7.5 lab. (Offered as needed)**

Private instruction: 1/2 hour private lesson per week. Minimum one hour daily practice. For nonmusic majors and music majors. Course may be taken four (4) times for credit. Prerequisite: MVB 1201.

**MVK 1211**

**Applied Music – Piano I, 1 credit hour, 7.5 lab. (Fall, Spring, Summer)**

Private instruction in piano, as secondary instrument, consisting of one half-hour lesson per week. Minimum of one hour daily practice is required. Course may be taken four (4) times for credit.

**MVK 2221**

**Applied Music – Piano II, 1 credit hour, 7.5 lab. (Offered as needed)**

Private instruction in piano, as a secondary instrument, consisting of one half-hour lesson per week. Minimum of one hour daily practice is required. Course may be taken four (4) times for credit. Prerequisite: MVK 1211.

**MVP 1201**

**Applied Music Secondary – Percussion I, 1 credit hour, 7.5 lab. (Offered as needed)**

Private instruction in percussion instruments to develop the student's performance ability in an applied area. One half-hour private lesson per week. Minimum of one hour daily practice. Minimum of one hour daily practice is required. Course may be taken four (4) times for credit.

**MVP 2202**

**Applied Music Secondary – Percussion II, 1 credit hour, 7.5 lab. (Offered as needed)**

Private instruction in percussion instruments to develop the student's performance ability in an applied area. One half-hour private lesson per week. Minimum of one hour daily practice. Course may be repeated four (4) times for credit. Prerequisite: MVP 1201.

**MVS 1016**

**Applied Strings – Guitar I, 1 credit hour, 7.5 lab. (Fall, Spring, Summer)**

Private instruction on guitar. Designed to equip the student for continuing study leading progressively to greater proficiency. May be taken four times for credit.

**MVS 1017**

**Applied Strings – Bass Guitar I, 1 credit hour, 7.5 lab. (Fall, Spring, Summer)**

Private instruction in guitar. Designed to equip the student for continuing study leading progressively to greater proficiency. May be taken four times for credit.

**MVS 1111**

**Class Guitar, 1 credit hour, 15 lec. (Fall)**

The study of basic techniques for the beginning and continuing student.

**MVS 1201**

**Applied Music Secondary – Strings I, 1 credit hour, 7.5 lab. (Offered as needed)**

Private instruction: one half-hour private lesson per week. Minimum one hour daily practice. For non-music majors and music majors. Course may be taken four (4) times for credit.

**MVS 2026**

**Applied Strings – Guitar II, 1 credit hour, 7.5 lab. (Fall, Spring, Summer)**

Private instruction in guitar. Designed to equip the student for continuing study leading progressively to greater proficiency. May be taken four times for credit. Prerequisite: MVS 1016.

**MVS 2027**

**Applied Strings – Bass Guitar II, 1 credit hour, 7.5 lab. (Offered as needed)**

Private instruction in guitar. Designed to equip the student for continuing study leading progressively to greater proficiency. May be taken four times for credit. Prerequisite: MVS 1017.

**MVS 2202**

**Applied Music Secondary – Strings II, 1 credit hour, 7.5 lab. (Offered as needed)**

Private instruction: one half-hour private lesson per week. Minimum one hour daily practice. For non-music majors and music majors. Course may be taken four (4) times for credit. Prerequisite: MVS 1201.

**MVV 1211**

**Applied Music – Voice I, 1 credit hour, 7.5 lab. (Fall, Spring, Summer)**

Private instruction in voice, as a secondary instrument, consisting of one half-hour session per week, with a minimum of one hour daily practice. Course may be taken four times for credit.

**MVV 2221**

**Applied Music – Voice II, 1 credit hour, 7.5 lab. (Offered as needed)**

Private instruction in voice, as a secondary instrument, consisting of one half-hour lesson per week, with a minimum of one hour daily practice. Course may be taken four (4) times for credit. Prerequisite: MVV 1211.

**MVW 1201**

**Applied Music Secondary – Woodwinds I, 1 credit hour, 7.5 lab. (Offered as needed)**

Private instruction: one half-hour private lesson per week. Minimum one hour daily practice. For non-music majors and music majors. Course may be taken four (4) times for credit.

**MVW 2202**

**Applied Music Secondary – Woodwinds II, 1 credit hour, 7.5 lab. (Offered as needed)**

Private instruction: one half-hour private lesson per week. Minimum one hour daily practice. For non-music majors and music majors. Course may be taken four (4) times for credit. Prerequisite: MVW 1201.

**OCE 1005C**

**Introduction to Oceanography, 4 credit hours, 45 lec., 30 lab. (Fall, Spring)**

A survey of the geography, chemistry, physics, and geology of the oceans. Lectures, demonstrations, and laboratory-type exercises to acquaint the students with oceanographic operations and data. No prerequisite.

**ORI 2000**

**Oral Interpretation, 3 credit hours, 45 lec. (Offered as needed)**

Oral interpretation of all genres of literature. Students read and research appropriate literature to cut, adapt, and present to the class as solo, duet, and group interpretations.

**OST 1107** Δ

**Typing and Word Processing, 3 credit hours, 45 lec. (Offered as needed)**

Integration of basic keyboarding and wordprocessing – learning the keyboard, creating, editing, saving, and other wordprocessing functions.

**OST 1131\*** Δ

**Legal Wordprocessing, 3 credit hours, 75 lab. (Offered as needed)**

Thorough analysis and formatting of legal documents.

**OST 1141\*** Δ

**Keyboarding, 1 credit hour, 15 lec. (Offered as needed)**

A basic course in keyboarding using the touch system. The proper techniques for keyboarding alphabetic and numeric data will be emphasized.

**OST 1355\***

**Records Management, 3 credit hours, 45 lec., (Offered as needed)**

Methods and systems of filing used in business offices, filing equipment, and time-and-motion skills. Filing practice sets are used.

**OST 1601\***

**Machine Transcription, 3 credit hours, 30 lec., 30 lab. (Offered as needed)**

Operation of recorders and transcribers to develop transcription skills in English grammar, punctuation, sentence structure, and vocabulary. Advanced problems in producing and handling typewritten documents of all kinds. Letters with variations, real estate, medical, legal, and general correspondence. Prerequisite: Typing I or equivalent.

**OST 2117** Δ

**Typing and Word Processing II, 3 credit hours, 45 lec. (Offered as needed)**

Continuation of Document Processing I – develop keyboarding and document processing using a micro-computer. Prerequisite: OST 1107 or equivalent.

**OST 2127\*** Δ

**Typing and Word Processing III, 3 credit hours, 45lec. (Offered as needed)**

Development of occupational proficiency in business letter writing, legal papers, executive forms and papers, and manuscripts through the use of a word processor. Prerequisite: OST 2117 or equivalent.

**OST 2335\***

**Business Communications, 3 credit hours, 45 contact hours, 3 lec. (Offered as needed)**

Business Communications is a comprehensive coverage of language structure and particular emphasis on writing superior business letters and reports. Instruction in principle, then illustration, and practice in applying the principles. A fundamental concept of the appearance, language and style, tone and psychology of effective business letters. Prerequisites: passing score on English placement test or passing grade of "C" in ENC 0080.

**OST 2401\***

**General Office Management, 3 credit hours, 30 lec., 30 lab. (Offered as needed)**

Study of practices and procedures in the modern office. Emphasis on exercising judgment, handling incoming calls and callers, processing mail, word processing systems, editing and composing techniques, travel arrangements, banking procedures, employment applications and resumes. Prerequisite: OST 2117, OST 2335 or equivalent.

\* This college credit course is not intended for transfer and may not be applied toward the A.A. degree.