

Meteorology

MET 10 Weather Processes 4 Units

(See general education pages for the requirement this course meets.)

Prerequisite: Mathematics 101 or 112.

Advisory: English Writing 100 and Reading 100 (or Language Arts 100), or English as a Second Language 172 and 173.

Four hours lecture.

Introduction to the principles of the science of meteorology including: history of the science; origin, evolution and structure of the atmosphere; major atmospheric variables that determine weather; global and local wind circulation; air masses and frontal systems; birth and development of extratropical and tropical cyclones and associated severe weather phenomena; weather map analysis and interpretation; objective techniques used by meteorologists to forecast weather.

MET 10L Meteorology Laboratory 1 Unit

(Formerly Meteorology 50L.)

(See general education pages for the requirement this course meets.)

Prerequisite: Mathematics 101 or 112.

Prerequisite or Corequisite: Meteorology 10L students must also enroll in, or have already completed, Meteorology 10.

Advisory: English Writing 100 and Reading 100 (or Language Arts 100), or English as a Second Language 172 and 173.

Three hours laboratory.

Introductory weather lab in which students work with observational data, graphics products, charts and instruments used by synoptic meteorologists to forecast weather. Lab sessions will include current weather products downloaded from the American Meteorological Society's "Online Weather Studies" homepage which has been specifically designed for this course and from De Anza College's automated rooftop weather station. Students will practice the analysis and decision-making skills employed by meteorologists to diagnose air patterns, understand air motions and predict future atmospheric conditions.

MET 77 Special Projects in Meteorology 1 Unit

MET 77X 2 Units

MET 77Y 3 Units

Prerequisite: Consent of instructor and division dean.

Three hours laboratory for each unit of credit.

(Any combination of Meteorology 77, 77X, and 77Y may be taken up to six times, not to exceed 18 units, as long as the topics/projects are different each time.)

Pass-No Pass (P-NP) course.

Individual special reading, writing, or study projects in meteorology as determined in consultation with the instructor.

Military Science

(Army Reserve Officers Training Corps)

For information on Army ROTC courses, please see Military Studies in this catalog.

Military Studies

Military Studies includes the following: Military Science (Army Reserve Officer's Training Corps [ROTC]), Aerospace Studies (Air Force ROTC), and Naval Science (Naval ROTC). Army ROTC courses are offered at Santa Clara University. Aerospace Studies are offered at San Jose State University. The Naval/Marine ROTC program is offered at the University of California at Berkeley; however, it does not have a community college component at this time.

NOTE: Lower division ROTC programs are open to all students and there is no military obligation incurred. However, ROTC scholarships and military commissions do have specific qualifications and commitments. While all students are eligible to take ROTC courses, not all students who take ROTC courses will be eligible for either a scholarship or a military commission.

REGISTRATION NOTE: To register from a community college for ROTC courses, please contact Mission College or West Valley College. De Anza College does not currently provide for ROTC registration for De Anza College students. For further information, please contact the Biological and Health Sciences Division 408.864.8773.

Aerospace Studies (Air Force Reserve Officers Training Corps)

The Air Force Reserve Officer Training Program (Air Force ROTC) at San Jose State University offers a high quality educational experience structured for all college students. It gives students the opportunity to learn excellent leadership and management skills while training to become a commissioned officer in the Air Force. Academic instruction includes Air Force organization, history, officer skills, leadership and management, and national security policy and issues. Students find out first hand what the Air Force has to offer for scholarships while they are in school and what career opportunities await them after graduation with a Bachelors Degree.

For direct information on the Air Force ROTC program at San Jose State University, contact the Aerospace Studies Department at San Jose State University at 408.924.2960.

Military Science (Army Reserve Officers Training Corps)

The Army Reserve Officer Training Program (Army ROTC) program at Santa Clara University offers a high quality educational experience open to all students. The program is designed to develop men's and women's management skills and leadership abilities for successful careers in both the corporate world and the military. Instruction is conducted on and off the Santa Clara University campus. All courses offered by the Military Science Department are fully accredited and applicable toward fulfilling academic requirements for graduation at Santa Clara University. Through this voluntary program, Santa Clara University offers all eligible students the opportunity to obtain an officer's commission in the U.S. Army Reserve, National Guard, or active Army, while earning their college degree.

For direct information on the Army ROTC program at Santa Clara University, contact the Department of Military Science at Santa Clara University at 408.554.4033.

Naval Science (Navy Reserve Officers Training Corps)

The Department of Naval Science at the University of California, Berkeley, offers several programs of instruction for men and women leading to reserve commissions in the U.S. Navy or U.S. Marine Corps. There are no Navy ROTC programs available for community college students. For information on the four year institution Navy ROTC program, please contact the Department of Naval Science at 510.642.3551.

Music

MUSI 1 Introduction to Music 4 Units

(See general education pages for the requirement this course meets.)

Advisory: English Writing 100 and Reading 100 (or Language Arts 100), or English as a Second Language 172 and 173.

Four hours lecture, one additional hour to be arranged.

Introduction to the discipline of music; methods of understanding music available in modern culture; listening techniques; use of fundamental concepts including form, style, musical media, and textures; acquaintance with and comparison of musical examples from various eras and cultures; roles of music in society.

MUSI 3A Comprehensive Musicianship 4 Units

Three hours lecture, two hours lecture-laboratory, and one hour laboratory to be arranged working in the Music Computer Laboratory or with music computer software access.

Basic knowledge and skill development including sight singing, rhythmic training, ear training, and keyboard work.

MUSI 3B Comprehensive Musicianship 4 Units

Advisory: Music 3A or equivalent.

Three hours lecture, two hours lecture-laboratory, and one hour laboratory to be arranged working in the Music Computer Laboratory or with music computer software access.

Principles, literacy, and parameters of music including writing, sight singing, rhythmic training, ear training, and keyboard work for the student with some basic skills and education in standard notation.

MUSI 3C Comprehensive Musicianship 4 Units

Advisory: Music 3B or equivalent.

Three hours lecture, two hours lecture-laboratory, and one hour laboratory to be arranged working in the Music Computer Laboratory or with music computer software access.

Principles, literacy, and parameters of music including writing, sight singing, rhythmic training, ear training, keyboard work, beginning analysis, and simple melody composition.

MUSI 4A Comprehensive Musicianship II 4 Units

Advisory: Music 3C or equivalent.

Three hours lecture, two hours lecture-laboratory, and one hour laboratory to be arranged working in the Music Computer Laboratory or with music computer software access.

Principles, literacy, and parameters of music including writing, comprehensive and aural analysis, sight singing, rhythmic training, ear training and keyboard work for the more advanced undergraduate student.

MUSI 4B Comprehensive Musicianship II 4 Units

Advisory: Music 4A or equivalent.

Three hours lecture, two hours lecture-laboratory, and one hour laboratory to be arranged working in the Music Computer Laboratory or with music computer software access.

Principles, literacy, and parameters of music including writing, comprehensive and aural analysis, sight singing, rhythmic training, ear training, and keyboard work for the more advanced undergraduate student exploring chromatic practice and the limits of the tonal system including a review of diatonic practice in preparation for a typical Music Major Transfer Exam.

MUSI 4C	Comprehensive Musicianship II	4 Units	MUSI 12A	Class Piano I	1 1/2 Units
<i>Advisory: Music 4B or equivalent.</i>			<i>Advisory: Music 10A.</i>		
<i>Three hours lecture, two hours lecture-laboratory, and one hour laboratory to be arranged working in the Music Computer Laboratory or with music computer software access.</i>			<i>Three hours lecture-laboratory.</i>		
Principles, literacy, and parameters of music including writing, comprehensive and aural analysis, sight singing, rhythmic training, ear training, and keyboard work for the more advanced undergraduate student exploring post tonal practice and the influence of non notated, experimentally notated, and non Western music on an emerging world wide art music culture.			<i>(Any combination of Music 12A, 12B, and 12C may be taken up to six times for the family of courses.)</i>		
MUSI 5A	Modal Counterpoint	3 Units	MUSI 12B	Class Piano II	1 1/2 Units
<i>Advisory: Music 3A or equivalent.</i>			<i>Prerequisite: Music 12A.</i>		
<i>Two hours lecture, two hours lecture-laboratory.</i>			<i>Three hours lecture-laboratory.</i>		
Modal counterpoint in two and three parts using both the species approach and the Phenomenological approach to produce species, imitative, and free counterpoint examples.			<i>(Any combination of Music 12A, 12B, and 12C may be taken up to six times for the family of courses.)</i>		
MUSI 7A	Introduction to Jazz Styles	4 Units	MUSI 12C	Class Piano III	1 1/2 Units
<i>(Formerly Music 7.)</i>			<i>Prerequisite: Music 12B or approval of the instructor.</i>		
<i>(See general education pages for the requirement this course meets.)</i>			<i>Three hours lecture-laboratory.</i>		
<i>Advisory: English Writing 100 and Reading 100 (or Language Arts 100), or English as a Second Language 172 and 173.</i>			<i>(Any combination of Music 12A, 12B, 12C and 18 may be taken up to six times as long as the topics/projects are different each time.)</i>		
<i>Four hours lecture, one additional hour to be arranged.</i>			Piano performance with emphasis on interpretation, musical form and harmony.		
Introduction to the discipline of music through American Jazz; from its multicultural origins to the present; listening skills and use of fundamental musical elements for distinguished jazz styles; social issues, noted performers, and technological advancements found in jazz.			MUSI 13A	Beginning Singing I	1 1/2 Units
MUSI 7B	Introduction to World Music in America	4 Units	<i>Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262, and 263. Concurrent enrollment in Music 10A or 12A is recommended.</i>		
<i>(Formerly Music 57.)</i>			<i>Three hours lecture-laboratory.</i>		
<i>(See general education pages for the requirement this course meets.)</i>			<i>(Any combination of Music 13A and 13B may be taken up to six times for the family of courses.)</i>		
<i>Advisory: English Writing 1A or English as a Second Language 5.</i>			Class instruction for beginners in techniques of solo and group singing. Training in controlling tonal production, breathing, diction, and musical accuracy.		
<i>Four hours lecture, one additional hour to be arranged.</i>			MUSI 13B	Beginning Singing II	1 1/2 Units
An introduction to music through world music and its influence on current musical trends in the United States. Music of diverse cultures which may include Native Americans, Asia/Pacific Rim, India, Africa, South and Central Americas, Mexico, and the Caribbean are presented in conjunction with American and European traditions; listening skills for distinguishing musical cultures, instrumentation, and artists.			<i>Prerequisite: Music 13A or equivalent.</i>		
MUSI 8	Intermediate Electronic Music	3 Units	<i>Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263; Music 51.</i>		
<i>(Formerly Music 8B.)</i>			<i>Three hours lecture-laboratory.</i>		
<i>Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263; Music 51.</i>			<i>(Any combination of Music 13A and 13B may be taken up to six times for the family of courses.)</i>		
<i>Two hours lecture, two hours lecture-laboratory.</i>			Continuation of Music 13A with emphasis on musicianship, legato singing, correction of individual problems, and the rudiments of performance. Training in controlling tonal production, breathing, diction, and musical accuracy.		
<i>(May be taken twice for credit.)</i>			MUSI 14A	Beginning Classical Guitar	1 1/2 Units
Intermediate level electronic music techniques including digital and analog synthesizer sound design and editing; professional studio and computer music software including integrated audio/MIDI sequencing software, instrument editors, software synthesizers; basic audio/MIDI studio configuration; modular synthesis; basic digital audio recording and editing; basic audio signal processing; introduction to concepts of music notation software; historical and technological development of electronic music; roles of electronic music technology in twentieth-century music. Some prior music experience and/or concurrent enrollment in Music 10A or Music 12A is recommended, but not required.			<i>Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263.</i>		
MUSI 9	Jazz Piano	2 Units	<i>Three hours lecture-laboratory.</i>		
<i>Prerequisite: Ability to play a keyboard instrument and read music.</i>			<i>(Any combination of Music 14A, 14B, and 14C may be taken up to six times for the family of courses.)</i>		
<i>One hour lecture, two hours lecture-laboratory.</i>			Beginning techniques for playing the classical, nylon-stringed guitar.		
<i>(May be taken six times for credit as long as the topics/projects are different each time.)</i>			MUSI 14B	Intermediate Classical Guitar	1 1/2 Units
Development of the ability to play jazz piano arrangements from lead sheets in a variety of jazz styles using knowledge of jazz harmony, jazz piano techniques, and improvisational skills. Improvisational skill on the piano is developed through the understanding and practice of scale choices and the application of techniques from melodic development.			<i>Prerequisite: Music 14A or equivalent level.</i>		
MUSI 10A	Music Fundamentals	3 Units	<i>Three hours lecture-laboratory.</i>		
<i>Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263.</i>			<i>(Any combination of Music 14A, 14B, and 14C may be taken up to six times for the family of courses.)</i>		
<i>Three hours lecture.</i>			Intermediate level techniques for playing the classical, nylon-stringed guitar.		
This course offers a basic introduction to concepts and skills of music notation, rhythm, major and minor scales and keys, simple sight-reading, key signatures, melody, and triads. Open to all students. May be appropriate for students with low scores on the Music 3A diagnostic test. Music Fundamentals students with no previous musical experience may benefit from concurrent enrollment in a beginning instrumental or vocal performance class.			MUSI 14C	Advanced Classical Guitar	1 1/2 Units
MUSI 10B	Harmony I	3 Units	<i>Prerequisite: Music 14B or equivalent level.</i>		
<i>Advisory: Music 10A, 12A or 12B.</i>			<i>Three hours lecture-laboratory.</i>		
<i>Three hours lecture.</i>			<i>(Any combination of Music 14A, 14B, and 14C may be taken up to six times for the family of courses.)</i>		
The analysis and writing of music which is considered traditional (tonal). Study of traditional harmonies and structures (18th century choral style) will be supplemented with the use of chord symbols and contemporary popular notational practices.			Advanced level techniques for playing the classical, nylon-stringed guitar.		
MUSI 12A	Class Piano I	1 1/2 Units	MUSI 18	Intermediate Piano	1 1/2 Units
<i>Advisory: Music 10A.</i>			<i>Prerequisite: Music 12C or approval of the instructor.</i>		
<i>Three hours lecture-laboratory.</i>			<i>Three hours lecture-laboratory.</i>		
<i>(Any combination of Music 12A, 12B, and 12C may be taken up to six times for the family of courses.)</i>			<i>(Any combination of Music 12A, 12B, 12C, and 18 may be taken up to six times for credit as long as the topics/projects are different each time.)</i>		
Beginning piano for students with no previous instruction, those who need knowledge of piano for a teaching credential, music majors, and the general student.			Piano music from the Baroque era to the present, with emphasis on the style of each period and differences in interpretation.		
MUSI 12B	Class Piano II	1 1/2 Units	MUSI 20	De Anza Chorale	2 Units
<i>Prerequisite: Music 12A.</i>			<i>Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263. Concurrent enrollment in Music 10A or 12A is recommended.</i>		
<i>Three hours lecture-laboratory.</i>			<i>Four hours lecture-laboratory.</i>		
<i>(Any combination of Music 12A, 12B, and 12C may be taken up to six times for the family of courses.)</i>			<i>(May be taken six times for credit.)</i>		
Basic piano for beginning students who read treble and bass clef, and understand music notation.			Study and performance of traditional, classical choral literature. Cultivation of performance skills in accompanied music. Attendance at all scheduled performances is required. Enrollment is open to all students. An introductory audition will determine placement in the appropriate section of singers.		
MUSI 12C	Class Piano III	1 1/2 Units			
<i>Prerequisite: Music 12B or approval of the instructor.</i>					
<i>Three hours lecture-laboratory.</i>					
<i>(Any combination of Music 12A, 12B, 12C and 18 may be taken up to six times as long as the topics/projects are different each time.)</i>					
Piano performance with emphasis on interpretation, musical form and harmony.					

<p>MUSI 21 Vintage Singers 2 1/2 Units <i>Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262, and 263. Concurrent enrollment in Music 10A, 10B, 3A, 3B, 3C, or 12A is recommended.</i> <i>Five hours lecture-laboratory.</i> <i>(May be taken six times for credit as long as the topics/projects are different each time.)</i> Study and performance of specialized choral styles from early to modern in an ensemble of limited size. Enrollment subject to audition. Choral experience, previous vocal training, and some music reading ability is necessary. Attendance at all scheduled performances is required.</p>	<p>MUSI 32A Jazz Solo Voice 1 1/2 Units <i>(Formerly Music 52A.)</i> <i>Prerequisite: Music 13B or equivalent private vocal instruction or experience. All students should have solo experience.</i> <i>Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263.</i> <i>Three hours lecture-laboratory.</i> <i>(Any combination of Music 32A and 52B may be taken up to six times as long as the topics/projects are different each time.)</i> Study and performance of songs in the jazz idiom. Emphasis on jazz phrasing, melodic and harmonic improvisation, stylistic concepts, vocal consistency, variation of texture, jazz rhythms, rhythm section communication, microphone technique.</p>
<p>MUSI 22 Early Music Study and Performance 2 Units <i>Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262, and 263. Concurrent enrollment in Music 10A or 12A is recommended.</i> <i>Four hours lecture-laboratory.</i> <i>(May be taken six times for credit.)</i> Study and performance of instrumental and vocal music from the Medieval and Renaissance periods. Cultivation of performance skills aimed at emulating the spirit and vitality of those periods. Attendance at all scheduled performances is required. Enrollment is open to all students. An introductory audition will determine placement in the appropriate section of singers.</p>	<p>MUSI 34 Jazz Ensemble 2 Units <i>Prerequisite: Ability to play an instrument and read music. Enrollment may be subject to audition.</i> <i>Corequisite: it is recommended that Music 34 students also enroll in Music 42 and/or Music 48.</i> <i>Four hours lecture-laboratory.</i> <i>(May be taken six times for credit.)</i> Sight-reading, rehearsal, performance and recording of diverse styles of music composed and arranged for standard jazz ensemble. Emphasis on improvising within the ensemble structure is a goal for each individual.</p>
<p>MUSI 24 Women's Chorus 2 Units <i>(Formerly Music 23, and Music 55.)</i> <i>Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263. Concurrent enrollment in Music 10A or 12A is recommended.</i> <i>Four hours lecture-laboratory.</i> <i>(May be taken six times for credit., as long as the topics/projects are different each time.)</i> A choir for students interested in singing with a group for enjoyment. Study and performance of music of different styles and periods. Provides basic technique and experience in choral singing. Attendance at all scheduled performances is required. Enrollment is open to all students. An introductory audition will determine placement in the appropriate section of singers.</p>	<p>MUSI 41 Rehearsal and Performance 1/2 Unit MUSI 41U 1 Unit MUSI 41V 2 Units MUSI 41W 3 Units MUSI 41X 4 Units MUSI 41Y 5 Units MUSI 41Z 6 Units <i>Two hours lecture-laboratory for each unit of credit.</i> <i>(Any combination of Music 41, 41U, 41V, 41W, 41X, 41Y and 41Z may be taken up to six times, not to exceed 18 units, as long as the topics/projects are different each time.)</i> Supervised participation in the various aspects of music rehearsal and/or performance.</p>
<p>MUSI 25G Performance Workshop (Brass) 3 Units MUSI 25H Performance Workshop (Guitar) 3 Units MUSI 25J Performance Workshop (Piano) 3 Units MUSI 25K Performance Workshop (Reeds) 3 Units MUSI 25M Performance Workshop (Vocal) 3 Units MUSI 25N Performance Workshop (Percussion) 3 Units MUSI 25VJ Performance Workshop (Jazz Solo Voice) 3 Units <i>Prerequisite: Placement audition. All areas require consent of the instructor and/or the following courses or equivalencies: Music 25H - Music 14C; Music 25J - Music 18; Music 25M - Music 13B; Music 25N - Music 58; Music 25VJ - Music 52B.</i> <i>Advisory: Music 3A,B,C; 4A,B,C; or large group performance (Music 7B, 20, 21, 22, 24, 27, 31A, 34, 42, 45).</i> <i>Two hours lecture, three hours laboratory (each course).</i> <i>(Any combination of Music 25G-VJ may be taken up to six times, not to exceed 18 units, for the family of courses.)</i> Master class instruction in solo and chamber ensemble performance technique, requiring technical command of the instrument/voice and basic knowledge of musicianship. A placement audition will be given during the first class meeting.</p>	<p>MUSI 42 Symphonic Wind Ensemble 2 Units <i>Prerequisite: Ability to play a band instrument and read music at sight.</i> <i>Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263. Concurrent enrollment in Music 25G, 25K, 25N, or Music 34, or 48 is recommended.</i> <i>Four hours lecture-laboratory.</i> <i>(May be taken six times for credit as long as the topics/projects are different each time.)</i> Rehearsal, sight-reading, performance, and recording of wind ensemble literature in a variety of styles and time periods. Attendance at all scheduled performances is required.</p>
<p>MUSI 31A Chamber Orchestra 2 Units <i>Prerequisite: Enrollment subject to audition; ability to play an orchestral instrument and read music at sight.</i> <i>Four hours lecture-laboratory.</i> <i>(Any combination of Music 31A, 31B, and 31C may be taken up to six times for credit as long as the topics/projects are different each time.)</i> Performance of music for chamber orchestra emphasizing the development of good ensemble and proper musical interpretations.</p>	<p>MUSI 45 Jazz Combos 2 Units <i>(Formerly Music 45C.)</i> <i>Prerequisite: Ability to play an instrument. and read music.</i> <i>Four hours lecture-laboratory.</i> <i>(May be taken six times for credit as long as the topics/projects are different each time.)</i> Preparation and performance of music for jazz combos. Ensemble and improvisational performance are emphasized in addition to playing in all jazz rhythmic styles. Student compositions and arrangements are encouraged. Participation at all scheduled performances is required.</p>
<p>MUSI 31B Chamber Orchestra 2 Units <i>Prerequisite: Enrollment subject to audition; ability to play an orchestral instrument and read music at sight.</i> <i>Four hours lecture-laboratory.</i> <i>(Any combination of Music 31A, 31B, and 31C may be taken up to six times for credit as long as the topics/projects are different each time.)</i> Study, preparation and performance of works from orchestral literature for chamber orchestra with an emphasis on developing proper ensemble techniques for dramatic or choral performances.</p>	<p>MUSI 46 Beginning Winds and Percussion 2 1/2 Units <i>Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263.</i> <i>Three hours lecture-laboratory, three hours laboratory.</i> <i>(May be taken six times for credit as long as the topics/projects are different each time.)</i> Beginning performance methods and techniques on brass, woodwind, and percussion instruments. Fundamentals of embouchure, fingerings, articulation, rhythm, intonation, and reading musical notation.</p>
<p>MUSI 31C Chamber Orchestra 2 Units <i>Prerequisite: Enrollment subject to audition; ability to play an orchestral instrument and read music at sight.</i> <i>Four hours lecture-laboratory.</i> <i>(Any combination of Music 31A, 31B, and 31C may be taken up to six times for credit as long as the topics/projects are different each time.)</i> Study, preparation and performance of works from orchestral literature of music for chamber orchestra with an emphasis on developing proper ensemble techniques of orchestral accompaniment for solo performance.</p>	<p>MUSI 48 Jazz Improvisation 2 1/2 Units <i>Prerequisite: Ability to play an instrument and read music.</i> <i>Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262, and 263.</i> <i>Three hours lecture-laboratory, three hours laboratory.</i> <i>(May be taken six times for credit.)</i> Development of improvisational skill in the jazz idiom. Analysis of scales, chords, and forms as applicable to improvisational performance of standard jazz vehicles. Ear training and transcribing solos included. Attendance and participation in final recital is required.</p>

MUSI 51 Introduction to Electronic Music 3 Units
(Formerly Music 51A.)

Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263.

Two hours lecture, two hours lecture-laboratory.

Introduction to the use of keyboard synthesizers, drum machines, and sequencing software to create music in a variety of styles; basic studio techniques; introduction to Musical Instrument Digital Interface (MIDI); introduction to basic historical developments in electronic music; creation of musical/audio projects using basic electronic music hardware and software. Some prior music experience is recommended but not required.

MUSI 52B Jazz Solo Voice II 2 1/2 Units

Prerequisite: Music 32A or equivalent private vocal instruction or experience.

Approval of instructor. All students must have vocal jazz solo experience.

Advisory: English Writing 200A and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263. Concurrent enrollment in Music 10A or 12A is recommended.

Three hour lecture-laboratory, three hours laboratory.

(Any combination of Music 32A and 52B may be taken up to six times, not to exceed 18 units, for the family of courses.)

Advanced study and performance of songs in the jazz idiom. In-depth emphasis on jazz phrasing, melodic and harmonic improvisation, stylistic concepts, vocal consistency, variation of texture, jazz rhythms, rhythm section communication, microphone technique, repertoire building, and public performance. This course prepares students for professional activity in the area of vocal jazz solo performance.

MUSI 53 Music Business 3 Units

Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263.

Three hours lecture.

Introduction to the business aspects of music. Examines the areas of copyright laws, publishing, concert promotion, club and record contracts, agents, managers, unions, and the various careers to be found in music. Emphasis on the commercial music field including film, television, sound recording, the record industry, and Internet applications.

MUSI 56 Jazz, Blues and Popular Guitar 1 1/2 Units

Prerequisite: Ability to play first-position and moveable major, minor and dominant 7th chords.

Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263.

Three hours lecture-laboratory.

An intermediate-level study of the common practices used in jazz and blues music. Guitar styles from the 1940's to the present will be examined through the use of recording and written examples. Chord voicing, scales, right hand picking techniques, and development of solo skills in these styles will be emphasized.

MUSI 57A Vocal Jazz Ensemble I 1 1/2 Units**MUSI 57B 2 Units****MUSI 57C 3 Units****MUSI 57D 4 Units**

Prerequisite: Enrollment subject to standardized audition demonstrating musical ability and technical proficiency at a level suitable to the course level.

Advisory: English Writing 200A and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263. Concurrent enrollment in Music 3ABC, 10A, 10B or 12A is recommended.

Two hour lecture-laboratory for each unit of credit.

(Any combination of Music 57A-D may be taken up to six times, not to exceed 18 units for the family of courses.)

Study, rehearsal, and performance of standard and contemporary vocal jazz ensemble literature. Exposure to microphone technique, vocal improvisation, and ensemble interpretation of jazz styles and phrasing. Developing a working vocabulary of traditional vocal jazz performance techniques and an understanding of the cultural and historical contexts that produced the specific vocal jazz styles.

MUSI 58A Beginning African and African-Influenced Percussion and Rhythms 1 1/2 Units

(Formerly Music 58.)

Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263.

Three hours lecture-laboratory.

(Any combination of Music 58A and 58B may be taken up to six times for the family of courses, as long as the topics/projects are different each time.)

An exploration of selected African, Afro-Caribbean and Latin American rhythms applied to hand drums, drumset and percussion instruments.

MUSI 58B Intermediate African and African-Influenced Percussion and Rhythms 1 1/2 Units

Prerequisite: Music 58A or equivalent level.

Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263.

Three hours lecture-laboratory.

(Any combination of Music 58A and 58B may be taken up to six times for the family of courses, as long as the topics/projects are different each time.)

Intermediate-level skill development of selected African, Afro-Caribbean and Latin American rhythms applied to hand drums, stick drums and percussion instruments.

MUSI 202 Music Reading 1 Unit

(Formerly Music 102.)

Credit course - Does not apply to De Anza Associate degree.

(Required for music majors not qualifying on the Music Placement Exam.)

Two hours lecture-laboratory.

Learning to read music by continuous supervised practice. Limited reference to theoretical matters; concentration on reading music notation at sight and on development of aural skills. For students with no previous musical experience. Enrollment in one of the following beginning performance classes is recommended: Music 8, 12A, 13A, 14A, 24, 46, or 51. Does not fulfill any music major requirements.

Naval Science**(Navy Reserve Officers Training Corps)**

For information on Naval ROTC courses, please see Military Studies in this catalog.

Nursing

The following are the nursing education options and career paths for students at De Anza College. For specific program requirements, see Career and Curriculum Certificates and Degrees located elsewhere in this catalog.

Registered Nursing Program

L.V.N. Transition to R.N. Nursing Program

Continuing Education for Nurses

Refresher Program for Registered Nurses

Applications for the licensure programs (R.N., or L.V.N. Transition) are available after successfully completing the following: Nursing 50, the required prerequisites for the programs with a Grade point Average (GPA) of 3.0 or higher, and admission through the selection process for entrance. The curriculum of these programs is designed to prepare individuals for beginning professional nursing practice and to define and understand the legal scope of practice within each of the licensed nursing disciplines. The programs promote success in the ability to practice nursing effectively together as a professional team.

See The Department of Nursing Student Handbook for specific policies regarding admission, challenge, progression, and retention in the programs. The majority of courses are scheduled in the daytime. Generally, the nursing programs are not scheduled during the summer session. Costs of uniforms, books, malpractice insurance and miscellaneous supplies are estimated at \$4000 for the program. In addition, each student is responsible for his/her own transportation to the clinical agencies.

Registered Nursing Program

Associated Degree Nursing Program is accredited by the California Board of Registered Nursing. The R.N. graduate is eligible to take the California State Board Examination for licensing (NCLEX - R.N.) Students are admitted to this program during the fall, winter, and spring quarters. The majority of courses are scheduled in the daytime. Generally, the R.N. Program is not scheduled in the summer session. The program, once admitted, (**not including** prerequisites) is six quarters in length.

L.V.N. Transition to the Registered Nursing Program

(Current California L.V.N. license is required.) The L.V.N. Transition to the R.N. graduate is eligible to take the California State Board Examination for licensing (NCLEX - R.N.) Students are admitted throughout the year as advanced placements. The majority of courses are scheduled in the daytime. Generally, the program is not scheduled in the summer session. The program, once admitted, (**not including** prerequisites) is at least three quarters in length.

Advanced Placement for Students with Prior**Nursing Education**

Students are admitted in advanced placement during the fall, winter, or spring quarter on a space available basis only. Placement depends on prior nursing education.

NURS 50 Career Opportunities in Nursing 2 Units

Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263.

Two hours lecture.

Pass-No Pass (P-NP) course.

Careers in the health field with emphasis on education and practice. Required course to obtain an application for De Anza's Nursing Program except for Licensed Vocational Nurses.

NURS 56 Nursing Special Projects 1/2 Unit
NURS 56X 1 Unit
NURS 56Y 2 Units
NURS 56Z 3 Units
Prerequisite: Consent of Instructor.
Three hours laboratory for each unit of credit.
(Any combination of Nursing 56, 56X, 56Y, and 56Z may be taken up to six times, not to exceed 18 units, as long as the topics/projects are different each time.)
Pass-No Pass (P-NP) course.
 Selected topics in nursing theory and/or clinical experience.

NURS 81 Fundamental Nursing (Non Acute/Sub Acute Care) 4 Units
Prerequisite: Nursing 50; Biology 26, 40A, 40B, 40C and 45; English Writing 1A or English as a Second Language 5; Mathematics 105 or 114, or satisfactory score on placement test; Psychology 1 and 14; Speech 1 (or 10).
Corequisite: Nursing 81 students must also enroll in Nursing 81L and 81P.
Four hours lecture, one additional hour to be arranged in the Allied Health or Science Center Resource Center.

Introduction to the foundation for entry into the field of nursing. Orem's model of self-care is used as the basis to study the health/illness continuum, the legal and ethical issues, safety principles, and the process of coping related to nursing practice. Goal-directed therapeutic communication techniques, principles of medical and surgical asepsis, and safe administration of medications by non-parenteral routes will be introduced. The nursing process is also a basis for all client interactions. Beginning teaching/learning principles will be explored to assist the client toward self-care.

NURS 81L Fundamental Nursing (Non Acute/Sub Acute Care Clinical) 5 Units
Prerequisite: Nursing 50; Biology 26, 40A, 40B, 40C and 45; English Writing 1A or English as a Second Language 5; Mathematics 105 or 114, or satisfactory score on placement test; Psychology 1 and 14; Speech 1 (or 10).
Corequisite: Nursing 81L students must also enroll in Nursing 81 and 81P.
Fifteen hours laboratory.
Pass-No Pass (P-NP) course.

Clinical objectives will be met in the campus skill laboratory and in skilled and sub acute nursing facilities to apply theory concepts. Fundamental nursing care concepts will be introduced. Students will have "hands-on" experiences with all basic concepts presented.

NURS 81N CNA Transition (Non Acute/Sub Acute Care) 3 Units
Prerequisite: Nursing 50; English Writing 1A or English as a Second Language 5; Mathematics 114, or satisfactory score on placement test; Biology 26, 40A, 40B, 40C and 45; Psychology 1 and 14; Speech 10; current California Nursing Assistant Certification.
Corequisite: Nursing 81N students must also enroll in 81NL and 81P.
Three hours lecture.

A transition course which provides a higher level entry into the nursing program for the Certified Nursing Assistant who has basic bedside nursing skills but lacks additional nursing requirements. The nursing process incorporating Orem's model of self-care, and teaching/learning principles are presented along with concepts of non-parenteral medication administration.

NURS 81NL CNA Transition (Non-Acute/Sub Acute Care Clinical) 2 Units
Prerequisite: Nursing 50; English Writing 1A or English as a Second Language 5; Mathematics 114, or satisfactory score on placement test; Biology 26, 40A, 40B, 40C and 45; Psychology 1 and 14; Speech 10; current California Nursing Assistant Certification.
Corequisite: Nursing 81NL students must also enroll on 81N and 81P.
Six hours laboratory.
Pass-No Pass (P-NP) course.

A transition course which provides a higher level entry into the nursing program for the Certified Nursing Assistant who has basic bedside nursing skills but lacks additional nursing requirements. The nursing process and teaching/learning principles are applied along with administration of non-parenteral medications.

NURS 81P Pharmacology I 1 1/2 Units
(Open to non-nursing students as well.)
Prerequisite: Nursing 50; Biology 26, 40A, 40B, 40C and 45; English Writing 1A or English as a Second Language 5; Mathematics 105 or 114, or satisfactory score on placement test; Psychology 1 and 14; Speech 1 (or 10).
Corequisite: Nursing 81P students must also enroll in Nursing 81 and 81L, or Nursing 81N and 81NL.
One and one-half hours lecture, one additional hour to be arranged in the Allied Health or Science Center Resource Center.

Pharmacology I provides the basic foundation required for entry in the field of nursing. Legal/ethical issues and safety principles will be stressed throughout this course as an integral part of nursing practice. Beginning teaching/learning principles will be explored to assist the student to use effective techniques in self-care. The Nursing Process is used as a basis for all client interactions and Orem's model is integrated into this process.

NURS 82 Acute Fundamentals/Medical Surgical I 4 Units
Prerequisite: Nursing 81 and 81L; or 81N and 81NL; and Nursing 81P, all courses with a grade of C or better.
Corequisite: Nursing 82 students must also enroll in Nursing 82L and 82P.
Four hours lecture, one additional hour to be arranged in the Allied Health or Science Center Resource Center.
Pass-No Pass (P-NP) course.

Physical and psycho social, universal, developmental, and health deviation self-care requisites are addressed by utilization of the nursing process and Orem's model of self-care. Therapeutic communication techniques and teaching/learning principles are applied in assisting the medical/surgical client to move toward self-care. The student will be introduced to principles of safe administration of medications by parenteral routes, fluid and electrolyte theory application, and preparation and administration of intravenous infusions. Clinical assignments will focus on the perioperative client as well as medical health deviations discussed in theory class.

NURS 82L Acute Fundamentals/Medical Surgical I (Clinical) 5 Units
Prerequisite: Nursing 81 and 81L; or 81N and 81NL; and Nursing 81P, all courses with a grade of C or better.
Corequisite: Nursing 82L students must also enroll in Nursing 82 and 82P.
Fifteen hours laboratory.
Pass-No Pass (P-NP) course.

Physical and psycho social, universal, developmental, and health deviation self-care requisites are addressed by utilization of the nursing process and Orem's model of self-care. Therapeutic communication techniques and teaching/learning principles are applied in assisting the medical/surgical client to move toward self-care. The student will be introduced to principles of safe administration of medications by parenteral routes, fluid and electrolyte theory application, and preparation and administration of intravenous infusions. Clinical assignments will focus on the perioperative client as well as medical health deviations discussed in theory class.

NURS 82P Pharmacology II 1 1/2 Units
(Open to non-nursing students with instructor approval.)
Prerequisite: Nursing 81 and 81L; or Nursing 81N and 81NL; and Nursing 81P, all courses with a grade of C or better.
Corequisite: Nursing 82P students must also enroll in Nursing 82 and 82L.
One and one-half hours lecture, one additional hour to be arranged in the Allied Health or Science Center Resource Center.

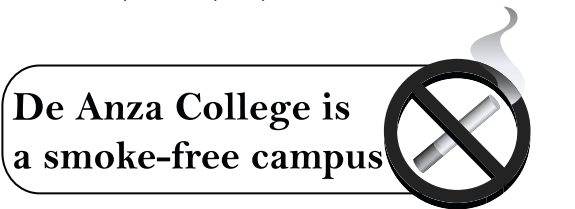
Pharmacology II provides students with a sound basis of pharmacology for entry into acute care nursing. Legal/ethical issues and safety principles will be stressed as an integral part of nursing practice. Teaching/learning principles will be expanded to assist the student in effective techniques in self care. Orem's model is used as a basis for all client interactions and is integrated into this process. The student will also incorporate principles of medical/surgical asepsis in the safe administration of medications by nonparenteral and parenteral routes with emphasis on parenteral routes.

NURS 83 Perinatal Nursing 2 Units
Prerequisite: Nursing 82, 82L, and 82P, all courses with a grade of C or better.
Corequisite: Nursing 83 students must also enroll in Nursing 83A, 83AL, 83L, 83P, and 83PL.
Two hours lecture, one additional hour to be arranged in the Allied Health or Science Center Resource Center.

Utilization of the Nursing Process and incorporation of Orem's model of self-care in meeting universal developmental health deviation self-care requisites of perinatal client and family. Focus is on the physical and psycho social needs of the perinatal client, including the needs of the family unit. Critical thinking and problem solving skills will be employed through group exercises and independent study with consideration for the Registered Nurse's specific scope of practice. Theory and clinical components are to be taken concurrently. Failure of either component requires both courses to be retaken.

NURS 83A Pediatric Nursing 2 Units
Prerequisite: Nursing 82, 82L, and 82P, all courses with a grade of C or better.
Corequisite: Nursing 83A students must also enroll in Nursing 83, 83AL, 83L, 83P, and 83PL.
Two hours lecture, one additional hour to be arranged in the Allied Health or Science Center Resource Center.

Introduction to the nursing care of children. Orem's model of self-care will be used as a basis to study the health/illness continuum as it applies to children and their families. The nursing process will be integrated throughout the course as a primary tool for delivering nursing care to children. Theory and clinical must be taken concurrently. Failure of either requires both to be retaken. Critical thinking and problem solving skills will be employed through group exercises and independent study with consideration for the Registered Nurse's specific scope of practice.



NURS 83AL Pediatric Nursing (Clinical) 2 1/2 Units
Prerequisite: Nursing 82, 82L, and 82P, all courses with a grade of C or better.
Corequisite: Nursing 83AL students must also enroll in Nursing 83, 83A, 83L, 83P, and 83PL.
Seven and one-half hours laboratory.
Pass-No Pass (P-NP) course.
 Clinical objectives will be met in the campus skills laboratory, acute care facilities, and numerous community agencies to apply theory concepts. Theory and clinical must be taken concurrently. Failure of either requires both to be retaken. Critical thinking and problem solving skills will be utilized in the application of theoretical concepts with consideration for the Registered Nurse's scope of practice.

NURS 83L Perinatal Nursing (Clinical) 2 1/2 Units
Prerequisite: Nursing 82, 82L, and 82P, all courses with a grade of C or better.
Corequisite: Nursing 83L students must also enroll in Nursing 83, 83A, 83AL, 83P, and 83PL.
Seven and one-half hours laboratory.
Pass-No Pass (P-NP) course.
 Clinical objectives will be achieved through student participation in nursing laboratory exercises, in acute hospital settings, and in selected community-based Women's Health Clinics. Assessment skills will be demonstrated by the instructor and practiced by the student before "hands-on" implementation in the various clinical settings. Theory and clinical components are to be taken concurrently. Failure of either component requires both courses to be retaken.

NURS 83P Pharmacology III 1 1/2 Units
(Open to non-nursing students with instructor approval.)
Prerequisite: Nursing 82, 82L, and 82P, all courses with a grade of C or better.
Corequisite: Nursing 83P students must also enroll in Nursing 83, 83A, 83AL, 83L, and 83PL.
One and one-half hours lecture, one additional hour to be arranged in the Allied Health or Science Center Resource Center.
 Pharmacology III focuses on pharmacology related to the maternal and child population. Legal/ethical issues and safety principles will be stressed as an integral part of nursing practice. Teaching/learning principles with regard to medication administration will be included. Concepts on venipuncture will be presented.

NURS 83PL Pharmacology III Laboratory 1/2 Unit
Prerequisite: Nursing 82, 82L, and 82P, all courses with a grade of C or better.
Corequisite: Nursing 83PL students must also enroll in Nursing 83, 83A, 83AL, 83L, and 83P.
One and one-half hours laboratory.
Pass-No Pass (P-NP) course.
 Pharmacology III Laboratory objectives will be met in the campus skills laboratory. The focus of the course is to provide the student pharmacology skill application with emphasis on maternal and child populations. Practice in venipuncture and blood withdrawal will also be provided. Concepts of advanced vascular access, chemotherapy and parenteral nutrition will be addressed.

NURS 84 Medical/Surgical II (Care of the Older Adult) 4 Units
Prerequisite: Nursing 83, 83A, 83AL, 83L, 83P, and 83PL, all courses with a grade of C or better.
Corequisite: Nursing 84 students must also enroll in Nursing 84C and 84L.
Four hours lecture, one additional hour to be arranged in the Allied Health or Science Center Resource Center.
 Utilization of the nursing process within the framework of Orem's model of self-care in relation to the gerontological client and the client with chronic self-care deficits. Emphasis is on the study of the older adult who is experiencing the normal process of aging as well as the older adult experiencing a health deviation. Critical thinking and problem solving will be employed through group exercises and independent study with consideration for the Registered Nurse's scope of practice. This course and its clinical component (Nursing 84L) must be taken concurrently. Failure of either requires both to be retaken.

NURS 84C Critical Thinking in Nursing 2 Units
(Formerly Nursing 55C.)
Prerequisite: Nursing 83, 83A, 83AL, 83L, 83P, and 83PL, all courses with a grade of C or better.
Corequisite: Nursing 84C students must also enroll in Nursing 84 and 84L.
Two hours lecture, one additional hour to be arranged in the Allied Health or Science Center Resource Center.
 Designed to assist the nurse in developing critical thinking skills to facilitate decision making and effective clinical judgment. The nursing process will be utilized as a mechanism in developing coherent and logical thinking through the use of scenarios, debates, group and written assignments. Critical thinking and problem solving skills will be employed through group exercises and independent study with consideration for the Registered Nurse's specific scope of practice.

NURS 84L Medical/Surgical II (Care of the Older Adult) - Clinical 5 Units
Prerequisite: Nursing 83, 83A, 83AL, 83L, 83P, and 83PL, all courses with a grade of C or better.
Corequisite: Nursing 84L students must also enroll in Nursing 84 and 84C.
Fifteen hours laboratory.

Pass-No Pass (P-NP) course.
 Utilization of the nursing process within the framework of Orem's model of self-care in relation to the gerontologic client and the client with chronic self-care deficits. Emphasis is on the clinical nursing care of the older adult who is experiencing the normal process of aging as well as the older adult experiencing a health deviation. Clinical objectives are met through experiences in a variety of settings such as long term care nursing facilities, medical-surgical units in acute care settings, adult community centers, and simulated laboratory settings. This course and its theory component (Nursing 84) must be taken concurrently. Failure of either requires both to be retaken. Critical thinking and problem solving skills will be utilized in the application of theoretical concepts with consideration for the Registered Nurse's specific scope of practice.

NURS 85 Advanced Medical-Surgical Concepts 2 Units
Prerequisite: Nursing 84, 84C, and 84L.
Corequisite: Nursing 85 students must also enroll in Nursing 85A, 85AL, and 85L.
Two hours lecture, one additional hour to be arranged in the Allied Health or Science Center Resource Center.
 Health deviations presented are encountered in the adult population. Topics include self-care deficits related to air, water, food, activity and rest, solitude/social interaction, elimination, prevention of hazards, and normalcy. Critical thinking and problem solving skills will be employed through group exercises and independent study with consideration for the Registered Nurse's specific scope of practice.

NURS 85A Psychiatric/Mental Health Nursing (Theory) 2 Units
Prerequisite: Nursing 84, 84C, and 84L, all courses with a grade of C or better.
Corequisite: Nursing 85A students must also enroll in Nursing 85, 85AL, and 85L.
Two hours lecture, one additional hour to be arranged in the Allied Health or Science Center Resource Center.
 Utilization of the Nursing Process in meeting client's self-care deficits with an emphasis on the biopsychosocial needs of individuals across the life span who experience acute and chronic psychopathology. Theories of psychiatric/mental health nursing will be taught in concert with nursing care of individuals undergoing treatment in a variety of behavioral healthcare settings. Theory and clinical components must be taken concurrently. Failure of either component requires both courses to be retaken.

NURS 85AL Psychiatric/Mental Health Nursing (Clinical) 2 1/2 Units
Prerequisite: Nursing 84, 84C, and 84L, all courses with a grade of C or better.
Corequisite: Nursing 85AL students must also enroll in Nursing 85, 85A, and 85L.
Seven and one-half hours laboratory.
Pass-No Pass (P-NP) course.
 Application of theories of psychiatric/mental health nursing. The nursing process is used in providing care for individuals undergoing treatment in a variety of behavioral health care settings including hospitals, clinics and community agencies. Clinical and theory (Nursing 85A) components must be taken concurrently. Failure of either component requires both courses to be retaken.

NURS 85L Advanced Medical-Surgical Clinical 2 1/2 Units
Prerequisite: Nursing 84, 84C, and 84L, all courses with a grade of C or better.
Corequisite: Nursing 85L students must also enroll in Nursing 85, 85A, and 85AL.
Seven and one-half hours laboratory.
Pass-No Pass (P-NP) course.
 Application of concepts learned in the theory class will occur in acute care settings. Students will be working with clients demonstrating acute health deviations. The nursing process and Orem's conceptual model will be utilized in caring for unstable clients on a medical-surgical unit.

NURS 86 Leadership/Management in Nursing 2 Units
Prerequisite: Nursing 85, 85A, 85AL, and 85L, all courses with a grade of C or better.
Corequisite: Nursing 86 students must also enroll in Nursing 86L.
Two hours lecture, one additional hour to be arranged in the Allied Health or Science Center Resource Center.
 Leadership/Management in Nursing is a quarter long course designed to prepare the Registered Nursing student to function as a graduate nurse. Focus includes the managerial/leadership role, interdisciplinary practice, legal challenges of clinical practice, and trends within the nursing profession.

NURS 86L Leadership/Management Clinical Component 5 Units
Prerequisite: Nursing 85, 85A, 85AL, and 85L, all courses with a grade of C or better.
Corequisite: Nursing 86L students must also enroll in Nursing 86.
Fifteen hours laboratory.
Pass-No Pass (P-NP) course.
 This is the clinical component to the Leadership/Management in Nursing course and is to be taken concurrently. This course, the Prelicensure Preceptorship, is designed to prepare the student to function as a graduate nurse. Students will provide nursing care for patients under the guidance of a registered nurse working in the community, supervised by the faculty liaison. The student will work on either the day, evening, or night shift, depending on the schedule of the assigned preceptor.

N **NURS 125C** **Advanced Medical Surgical Nursing Practicum II** **2 1/2 Units**
Credit course - Does not apply to De Anza Associate degree.
Prerequisite: Admission to the RN Refresher Program.
Seven and one-half hours laboratory.
(May be taken six times for credit.)
Pass-No Pass (P-NP) course.
 A medical-surgical nursing practicum in acute or extended care settings.

NURS 150 **Nursing Laboratory Skills** **1/2 Unit**
NURS 150W **1 Unit**
NURS 150X **1 1/2 Units**
NURS 150Y **2 Units**

Corequisite: Nursing 150, 150W,X,Y students must also be in the Associate Degree Nursing Program.
Eighteen hours laboratory per quarter for each one-half unit of credit.
(Any combination of Nursing 150, 150W, 150X, and 150Y may be taken no more than six times.)
Pass-No Pass (P-NP) course.
 Nursing skills practice in campus laboratory setting.

NURS 202 **Review of Nursing Concepts** **1/2 Unit**
NURS 202X **1 Unit**
NURS 202Y **2 Units**
NURS 202Z **3 Units**
(Formerly Nursing 100.)

Credit course - Does not apply to De Anza Associate degree.
Prerequisite: Nursing 202, 202X,Y,Z students must also be a Licensed or graduate nurse.
Three hours laboratory for each unit of credit.
(Any combination of Nursing 202, 202X, 202Y, and 202Z may be taken for a maximum of six units.)
Pass-No Pass (P-NP) course.
 Independent study course which is designed for the nurse who is seeking a review or update of information related to theoretical nursing concepts in the areas of gerontology, medical surgical, pediatric, perinatal, and psychiatric nursing. Critical thinking skills are employed in making nursing decisions, and effective clinical judgments.

Nutrition

NUTR 10 **Contemporary Nutrition** **4 Units**
(Formerly Nutrition 39.)

(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
Four hours lecture, one additional hour to be arranged in the Science Center Resource Center.
 Introductory level nutrition. Physiological, psychological and economic aspects of obtaining an adequate diet through the life cycle. Relationship of nutrients to health and physical fitness. Evaluation of current nutritional issues and controversies. (CAN FCS 2)

NUTR 62 **Nutrition and Athletic Performance** **2 Units**

Advisory: English Writing 100 and Reading 100 (or Language Arts 100), or English as a Second Language 172 and 173.
Two hours lecture, one additional hour to be arranged in the Science Center Resource Center.
 Principles of sports nutrition. Suggested diets for strength training, endurance activities and weight control. Use of popular ergogenic aids.

NUTR 62G **Dieting (Sifting Fact from Fiction)** **1/2 Unit**

Advisory: Nutrition 10 or 62.
One-half hour lecture, one additional hour to be arranged in the Science Center Resource Center.
 Causes of obesity, evaluation of popular weight control diets and programs, and effective methods of weight loss.

Older Adult Services

OAS 7100 **Photography for the Older Adult** **0 Units**

(Formerly Older Adult Studies 7107.)
Non-credit course - Does not apply to De Anza Associate degree.
Three hours lecture-laboratory.
(No limit on repeatability for 0 unit courses.)
 Experienced and novice students will explore the world of image making. Discussions will include camera functions, use of different films, composition, flash use, capturing motion and photographing people.

OAS 7101 **Survey of Art for the Older Adult** **0 Units**

Non-credit course - Does not apply to De Anza Associate degree.
Two hours lecture-laboratory.
(No limit on repeatability for 0 unit courses.)
 An introduction to the artistic experience for the older adult. Emphasis will be on developing interest and experience through a wide variety of art projects.

OAS 7102 **Artistic Experience for the Older Adult** **0 Units**

Non-credit course - Does not apply to De Anza Associate degree.
Two hours lecture-laboratory.
(No limit on repeatability for 0 unit courses.)
 An intermediate course to expand the artistic experiences and abilities of the older adult through a wide variety of art projects.

OAS 7103 **Art Appreciation for the Older Adult** **0 Units**

Non-credit course - Does not apply to De Anza Associate degree.
Two hours lecture-laboratory.
(No limit on repeatability for 0 unit courses.)
 An introduction to the history of art with emphasis on the enjoyment and appreciation of works of art.

OAS 7104 **Art History for the Older Adult** **0 Units**

Non-credit course - Does not apply to De Anza Associate degree.
Two hours lecture-laboratory.
(No limit on repeatability for 0 unit courses.)
 An intermediate course on the history of art with emphasis on the terminology, techniques and concepts in the development of art.

OAS 7105 **Drawing and Painting for the Older Adult** **0 Units**

Non-credit course - Does not apply to De Anza Associate degree.
Two hours lecture-laboratory.
(No limit on repeatability for 0 unit courses.)
 An introduction to various adapted two-dimensional art mediums such as adapted painting, drawing, sketching, and design on an experiential level.

OAS 7106 **Sketching Techniques for the Older Adult** **0 Units**

Non-credit course - Does not apply to De Anza Associate degree.
Two hours lecture-laboratory.
(No limit on repeatability for 0 unit courses.)
 Continued experience with two-dimensional art mediums with emphasis on a chosen art form.

OAS 7109 **Working with Clay Art for the Older Adult** **0 Units**

Non-credit course - Does not apply to De Anza Associate degree.
Two hours lecture-laboratory.
(No limit on repeatability for 0 unit courses.)
 An adaptive introduction to basic ceramics terminology, materials, tools, and techniques on an appreciation or developmental level.

OAS 7110 **Glazing Techniques for the Older Adult** **0 Units**

Non-credit course - Does not apply to De Anza Associate degree.
Two hours lecture-laboratory.
(No limit on repeatability for 0 unit courses.)
 An intermediate course in adaptive ceramics with continuing work on ceramics materials and techniques, and some development of creative glazing and design.

OAS 7111 **Creative Sewing for the Older Adult** **0 Units**

Non-credit course - Does not apply to De Anza Associate degree.
Two hours lecture-laboratory.
(No limit on repeatability for 0 unit courses.)
 An introduction to textiles on an appreciation or developmental level with emphasis on satisfaction derived from selecting and working with textile materials.

OAS 7112 **Needle Craft and Textile Projects for the Older Adult** **0 Units**

Non-credit course - Does not apply to De Anza Associate degree.
Two hours lecture-laboratory.
(No limit on repeatability for 0 unit courses.)
 Continuing experience with textile materials, emphasizing individual design.

OAS 7202 **General Conditioning for the Older Adult** **0 Units**

Non-credit course - Does not apply to De Anza Associate degree.
Three hours laboratory.
(No limit on repeatability for 0 unit courses.)
 Physical conditioning program for the older adult. Includes self range of motion of each joint; muscular strength and endurance exercises; balance and posture exercise; proper body mechanics; and proper breathing techniques.

OAS 7203 **Healthful Living for the Older Adult** **0 Units**

Non-credit course - Does not apply to De Anza Associate degree.
Two hours lecture-laboratory.
(No limit on repeatability for 0 unit courses.)
 An introduction to information and practices related to personal health needs. Body systems and their relation to personal health will be considered. The need to accommodate attitudes and health habits to aging bodies will be emphasized.

OAS 7204 **Personal Health and Aging Bodies** **0 Units**

Non-credit course - Does not apply to De Anza Associate degree.
Two hours lecture-laboratory.
(No limit on repeatability for 0 unit courses.)
 An intermediate course in adaptive health. Body systems and their relationship to individual health will be reviewed with emphasis on holistic health and the aging process.