

MUS 224 Introduction to Jazz Piano (2)

1 hour lecture - 3 hours laboratory

Prerequisite: A minimum grade of 'C' in MUS 117 or the passing of equivalency test**Note:** May be taken 4 times**Transfer acceptability:** CSU; UC

Provides students with a practical knowledge and proficiency in concepts pertaining to jazz piano, including reading chord symbols, chord voicings, stylistically appropriate accompaniment, and improvising in a jazz and/or pop music idiom.

MUS 225 Piano Skills II (2)

1 hour lecture - 3 hours laboratory

Prerequisite: A minimum grade of 'C' in MUS 119 or the passing of equivalency test**Note:** May be taken 4 times; maximum of 4 completions in any combination of MUS 119, MUS 225**Transfer acceptability:** CSU; UC

Continuation of piano techniques with emphasis on improvised accompaniments, sight reading, ensemble playing, pedaling, and practice techniques.

MUS 227 Accompanying Ensemble (1)

3 hours laboratory

Prerequisite: A minimum grade of 'C' in MUS 225 or the passing of equivalency test**Note:** May be taken 4 times**Transfer acceptability:** CSU

Techniques of, and practical experience in, piano accompaniment for ensembles, vocalists, and instrumentalists.

MUS 241 Solfege II (1)

1 hour lecture

Prerequisite: A minimum grade of 'C' in MUS 240**Note:** May be taken 2 times**Transfer acceptability:** CSU

Review sight-reading and writing in pentatonic scales and progress to major and minor scales, continuing to focus on sight-singing, ear training, keyboard and written scales using relative and absolute solminization.

MUS 250 Choral Conducting (1)

1 hour lecture

Prerequisite: A minimum grade of 'C' in MUS 105 or experience in conducting choirs**Transfer acceptability:** CSU

Practical conducting methods for choral musicians. Discussion and study of issues concerning musical rehearsal and performance with treble, SAB and SATB choral ensembles.

MUS 251 Master Class in Keyboard Literature, Analysis and Performance (.5,1,1.5,2,3)

1, 2, 3, 4, or 6 hours lecture/laboratory

Prerequisite: A minimum grade of 'C' in MUS 225 or the passing of equivalency test**Note:** May be taken 4 times**Transfer acceptability:** CSU

Survey of keyboard literature presented in a master class format. Analysis of styles and techniques of solo and ensemble performances.

MUS 297 Experimental Topics in Music (.5 -3)

Units awarded in topics courses are dependent upon the number of hours required of the student. Any number of laboratory hours may be scheduled by the department. Refer to Class Schedule.

Prerequisite: Enrollment subject to project approval.**Note:** May be taken 4 times**Transfer acceptability:** CSU; UC - credit determined by UC upon review of course syllabus.

Advanced music projects including individual research, tutoring and performance for college classes and community projects.

Networking

See CSIS - Networking

Nursing Education (NURS)

Contact the Nursing Education Department for additional information.

(760) 744-1150, ext. 2279

Office: HS-200

For transfer information, consult a Palomar College Counselor.

Associate in Arts (AA) Degree:

AA Degree requirements are listed in Section 6 (green pages).

• Nursing

Associate in Science (AS) Degree:

• Nursing

The Associate Degree Nursing program is accredited by both the California Board of Registered Nursing and the National League for Nursing Accrediting Commission (NLNAC), 61 Broadway, New York, NY 10006, 1-800-669-1656.

GENERAL INFORMATION

The Associate Degree Nursing program prepares graduates to provide direct nursing care to patients in hospitals and other health agencies at a staff nurse level. The curriculum consists of coursework in nursing, general education, and clinical nursing practice in local hospitals and other health agencies. The Nursing faculty of the College is directly responsible for all phases of the program.

Palomar College has two Associate Degree options available in Nursing. The difference in the coursework between the two options is in the GE requirements, which are described in more detail in the programs of study on the following pages. The Associate in Arts (AA) in Nursing Degree meets the requirements of Title V and the Board of Registered Nursing (BRN). The Associate in Science (AS) in Nursing Degree meets the requirements of Title V, Board of Registered Nursing (BRN), and National League of Nursing Accreditation Commission (NLNAC).

Admission to the nursing program is by special application. To be eligible for consideration, applicants must (1) be eligible for admission to Palomar College; (2) attend a Nursing Orientation meeting; (3) submit proof of high school graduation or equivalency or higher; (4) have a GPA of 2.5 in prerequisite sciences; (5) pass the Test of Essential Academic Skills (TEAS) with a composite score of at least 67%; and (6) submit a completed application along with the required documentation.

LICENSURE: Upon successful completion of either the Associate of Arts (AA) in Nursing Degree or the Associate of Science (AS) in Nursing Degree, students will be eligible to apply to take the National Council Licensure Examination for Registered Nurses (NCLEX RN). If performance on the examination is successful, they will be licensed as a registered nurse.

Students who are LVNs and who are electing the Non-Degree 30 Unit Option, as well as students who do not complete the requirements for the Associate in Arts (AA) or the Associate in Science (AS) in Nursing but who successfully complete the required nursing and support courses, are eligible to apply to take the National Council Licensure Examination for Registered Nurses (NCLEX RN) as a NON-DEGREE Candidate. If successful, they will be licensed as a RN by the California Board of Registered Nursing. Endorsement of a non-degree graduate RN in other states is not guaranteed because these regulations are unique to California. ONCE THE LICENSING EXAM IS TAKEN, STATUS CANNOT BE CHANGED FROM NON-DEGREE TO DEGREE REGARDLESS OF SUBSEQUENT DEGREES EARNED.

CREDIT BY TRANSFER: Students who have been enrolled in an accredited Registered Nursing program within the last two years may receive full credit for courses transferred which are, as evaluated by the Palomar College Nursing Education Department faculty, comparable to courses offered by the College. If courses transferred are found not to be comparable, students may challenge Palomar courses for credit.

CREDIT BY EXAMINATION: Academic credit by examination may be obtained by those whose prior education and/or experience provides the knowledge and skills required to meet the objectives of one or more courses. Students who believe they may be eligible for credit by examination should contact the Nursing Education Department for an appointment for special advising prior to submitting their application for admission to the program. For College policy regarding credit by examination, consult "Credit by Examination" in the Academic Regulations and Standards section of this catalog.

Upon completion of the eligibility requirements, separate theory and clinical performance examinations will be administered for courses with a laboratory component. A written patient care plan is required in all appropriate theory and clinical courses. Completion of the written work with a grade of 'C' or better is required prior to taking the clinical examination. Courses without a lab component will have a written examination only. A grade of 'C' or better must be achieved. The Nursing Education Department's Credit by Examination Policy may be obtained from the Nursing Education Department Office. A maximum of 20 units may be obtained through credit by examination.

STUDENTS WITH A PREVIOUS BACHELOR'S DEGREE: As per the Education Code, SB 1393, students with baccalaureate or higher degrees from a regionally accredited college in a non-nursing field are only required to complete the course work necessary for completion of the registered nursing program, including prerequisites and nursing coursework. These students are not required to complete any other courses required by the college for an associate degree.

CONTINUING EDUCATION FOR NURSES

Continuing Education Units (CEUs) for currently licensed RNs and LVNs can be earned through a variety of Palomar College academic classes. For information contact the Nursing Education Department (760) 744-1150, ext. 2580.

PROGRAMS OF STUDY

Associate in Arts (AA) in Nursing

For students starting the Associate in Arts (AA) in Nursing during Fall 2010 or later:

Requirements for an AA in Nursing

MATH 56, 60, or an appropriate score on an approved math exam	0- 4
BIOL 102* Molecules and Cells or equivalent	3
MICR 200 Fundamentals of Microbiology	4
ZOO 200 Anatomy	4
ZOO 203 Physiology	4

Semester I

NURS 117 Nursing I	9
NURS 103 Nursing Foundation I	2

Semester II

NURS 118 Nursing II	9
NURS 203 Nursing Foundation II	1

Semester III

NURS 217 Nursing III	9
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Semester IV

NURS 218 Nursing IV	9
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Additional Related Support Courses

ENG 100** English Composition	4
HUM Any course	3
PSYC Any course except 140 & 205	3
SOC Any course except 140 & 205	3
SPCH Any course except 145 & 150	3
One approved pair of American History and Institutions courses or an appropriate score on an approved American History and Institutions exam	0-6

The following additional requirements for an AA in Nursing degree are met by completion of the Nursing curriculum:

Health and Physical Education requirement	0
Integrated Self and Life-Long Learning	0
Multicultural requirement (met by completing NURS 103 and NURS 217, or NURS 110 and NURS 217)	0
TOTAL UNITS	80

*This biology prerequisite is required if the science courses are taken at Palomar College. Equivalent courses are delineated in the Biology section of the catalog.

**Three semester unit courses accepted from accredited colleges.

Curriculum plan subject to change.

To get credit for any course applicable to an AA in Nursing, students must receive a grade of 'C' or better.

AA in Nursing for LVNs

Advanced standing for LVNs is based on the following requirements:

- Hold a valid, active LVN license in the state of California.
- Graduate from an accredited LVN/LPN program.
- Meet all requirements for admission as identified in the College Catalog and the Nursing Education Department brochure.
- Successfully complete NURS 110.

Upon successful completion of NURS 110, the student has two academic years to enroll in the nursing program. If the student is unable to enroll within two academic years, for any reason other than lack of space in the program, the student will be required to repeat NURS 110.

Requirements for an AA in Nursing for LVNs

MATH 56, 60, or an appropriate score on an approved math exam	0- 4
NURS 110 LVN-RN Transition	2
BIOL 102* Molecules and Cells or equivalent	3
MICR 200 Fundamentals of Microbiology	4
ZOO 200 Anatomy	4
ZOO 203 Physiology	4

Semester I

NURS 217 Nursing III	9
NURS 203 Nursing Foundation II	1

Semester II

NURS 218 Nursing IV	9
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Additional Related Support Courses

ENG 100** English Composition	4
HUM Any course	3
PSYC Any course except 140 & 205	3
SOC Any course except 140 & 205	3
SPCH Any course except 145 & 150	3
One approved pair of American History and Institutions courses or an appropriate score on an approved American History and Institutions exam	0-6

The following additional requirements for the AA in Nursing degree for LVNs are met by completion of the Nursing curriculum:

Health and Physical Education requirement	0
Integrated Self and Life-Long Learning	0
Multicultural requirement (met by completing NURS 103 and NURS 217, or NURS 110 and NURS 217)	0

TOTAL UNITS	62
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*This biology prerequisite is required if the science courses are taken at Palomar College. Equivalent courses are delineated in the Biology section of the catalog.

**Three semester unit courses accepted from accredited colleges.

Curriculum plan subject to change.

To get credit for any course applicable to an AA in Nursing, students must receive a grade of 'C' or better.

When the LVN student has successfully completed the AA in Nursing program, the student will be given credit for previous vocational nursing education equivalent to 18 units.

Associate in Science (AS) in Nursing

For students starting the Associate in Science (AS) in Nursing during Fall 2010 or later:

Requirements for an AS in Nursing

MATH 56, 60, or an appropriate score on an approved math exam	0- 4
BIOL 102* Molecules and Cells or equivalent	3
MICR 200 Fundamentals of Microbiology	4
ZOO 200 Anatomy	4
ZOO 203 Physiology	4

Semester I

NURS 117 Nursing I	9
NURS 103 Nursing Foundation I	2

Semester II

NURS 118 Nursing II	9
NURS 203 Nursing Foundation II	1

Semester III

NURS 217 Nursing III	9
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Semester IV

NURS 218 Nursing IV	9
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Additional Related Support Courses

ENG 100** English Composition	4
HUM Any course	3
PSYC Any course except 140 & 205	3
SOC Any course except 140 & 205	3
SPCH Any course except 145 & 150	3

The following additional requirements for the A.S. in Nursing Degree are met by completion of the Nursing curriculum:

Health and Physical Education	0
Integrated Self and Life-Long Learning	0
Multicultural requirement (met by completing NURS 103 and NURS 217, or NURS 110 and NURS 217)	0

TOTAL UNITS 74

*This biology prerequisite is required if the science courses are taken at Palomar College. Equivalent courses are delineated in the Biology section of the catalog.

**Three semester unit courses accepted from accredited colleges.

Curriculum plan subject to change.

To get credit for any course applicable to an AS in Nursing, students must receive a grade of 'C' or better.

AS in Nursing for LVNs

Advanced standing for LVNs is based on the following requirements:

- Hold a valid, active LVN license in the state of California.
- Graduate from an accredited LVN/LPN program.
- Meet all requirements for admission as identified in the College Catalog and the Nursing Education Department brochure.
- Successfully complete NURS 110.

Upon successful completion of NURS 110, the student has two academic years to enroll in the nursing program. If the student is unable to enroll within two academic years, for any reason other than lack of space in the program, the student will be required to repeat NURS 110.

Requirements for an AS in Nursing for LVNs

MATH 56, 60, or an appropriate score on an approved math exam	0- 4
NURS 110 LVN-RN Transition	2

BIOL 102* Molecules and Cells or equivalent	3
MICR 200 Fundamentals of Microbiology	4
ZOO 200 Anatomy	4
ZOO 203 Physiology	4

Semester I

NURS 217 Nursing III	9
NURS 203 Nursing Foundation II	1

Semester II

NURS 218 Nursing IV	9
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Additional Related Support Courses

ENG 100** English Composition	4
HUM Any course	3
PSYC Any course except 140 & 205	3
SOC Any course except 140 & 205	3
SPCH Any course except 145 & 150	3

The following additional requirements for an AS in Nursing Degree for LVNs are met by completion of the Nursing curriculum:

Health and Physical Education requirement	0
Integrated Self and Life-Long Learning	0
Multicultural requirement (met by completing NURS 103 and NURS 217, or NURS 110 and NURS 217)	0

TOTAL UNITS 56

*This biology prerequisite is required if the science courses are taken at Palomar College. Equivalent courses are delineated in the Biology section of the catalog.

**Three semester unit courses accepted from accredited colleges.

Curriculum plan subject to change.

To get credit for any course applicable to an AS in Nursing, students must receive a grade of 'C' or better.

When the LVN student has successfully completed the AS in Nursing program, the student will be given credit for previous vocational nursing education equivalent to 18 units.

Non-Degree 30 Unit Option for LVNs

Students who are LVNs and who are electing the Non-Degree 30 Unit Option are eligible to apply to take the National Council Licensure Examination for Registered Nurses (NCLEX RN) as a NON-DEGREE candidate. If successful, they will be licensed as an RN by the California Board of Registered Nursing. Endorsement of a Non-Degree graduate RN in other states is not guaranteed because these regulations are unique to California. ONCE THE LICENSING EXAM IS TAKEN, STATUS CANNOT BE CHANGED FROM NON-DEGREE TO DEGREE REGARDLESS OF SUBSEQUENT DEGREES EARNED.

Upon successful completion of NURS 110, the student has two academic years to enroll in the nursing program. If the student is unable to enroll within two academic years, for any reason other than lack of space in the program, the student will be required to repeat NURS 110.

A maximum of 30 units of nursing and support courses are required to fulfill the unit requirement for licensure by the Board of Registered Nursing.

Requirements for the Non-Degree 30 Unit Option

ZOO 203 Physiology	4
MICR 200 Fundamentals of Microbiology	4
NURS 110 LVN RN Transition	2

Semester I

NURS 217* Nursing III	9
NURS 203 Nursing Foundations II	1

Semester II

NURS 218 Nursing IV	9
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TOTAL UNITS 29

A 30 Unit Option student, with additional units in general education, may earn the Associate in Arts Degree in General Studies. Neither an Associate in Arts (AA) nor an Associate of Science (AS) in Nursing will be awarded.

AA or AS Degree in Nursing for Diploma RNs

- The student must present a valid active California RN license to be verified by the Nursing Education Department. A copy of the RN license must be submitted to the College's Records office for inclusion in the student's academic file.
- The student must have an official transcript of the diploma school coursework sent to the Nursing Education Department at Palomar College.
- Units accepted from diploma school: 38 units of the 39 units required for the major in Nursing at Palomar College may be accepted from the diploma school of nursing.
- One unit must be earned by completion of, or challenging of, NURS 203, Nursing Foundation II.
- When the student has completed the General Education requirements for either the Associate of Arts (AA) or the Associate of Science (AS) in Nursing and has completed the one unit required in Nursing, the student will be awarded credit for the 38 units of coursework completed in the diploma school of Nursing.

COURSE OFFERINGS

To remain in the program, students must maintain a minimum grade of 'C' in each of the nursing courses and in all required support courses. Grades in the clinical nursing laboratories are based on satisfactory/unsatisfactory practice. A student might fail a nursing course on the basis of clinical practice even though theory grades may be passing.

NURS 103 Nursing Foundation I (2)

2 hours lecture

Prerequisite: Admission to the Associate Degree Nursing Program

Corequisite: NURS 117

Note: Graded only

Transfer acceptability: CSU

This course provides an introduction to concepts essential to nursing practice. Topics include, but are not limited to, nursing process, critical thinking, therapeutic communication, and health assessment using a functional health patterns framework. Multicultural considerations including gender, ethnicity, sexuality, and age are explored.

NURS 110 LVN-RN Transition (2)

1 hour lecture - 3 hours laboratory

Prerequisite: Current California Vocational Nurse License

Recommended preparation: MATH 56 or 60, or the appropriate score on an approved math exam

Note: Graded only

Transfer acceptability: CSU

This course facilitates the transition of the Licensed Vocational Nurse into the Associate Degree Nursing Program. Topics include, but are not limited to, nursing process, critical thinking, health assessment utilizing evidence based interventions, and role differentiation. Multicultural considerations including ethnicity, gender, age, and sexuality are explored. Concepts essential for registered nursing practice and functional health patterns are examined.

NURS 117 Nursing I (9)

4 hours lecture - 15 hours laboratory

Prerequisite: Admission to the Associate Degree Nursing Program

Corequisite: NURS 103

Note: Graded only

Transfer acceptability: CSU

This course focuses on theoretical concepts of nursing fundamentals and basic medical-surgical nursing. Concepts related to delegation, resource, and time management are introduced. Students apply therapeutic communication techniques when utilizing the nursing process, critical thinking, and evidence based interven-

tions in the care of clients in the clinical setting. Students provide care to chronic stable medical-surgical adult clients with expected or predictable outcomes.

NURS 118 Nursing II (9)

4 hours lecture - 15 hours laboratory

Prerequisite: A minimum grade of 'C' in NURS 103 and 117

Corequisite: NURS 203

Note: Graded only

Transfer acceptability: CSU

This course builds on Nursing 117 with the application of the nursing process and critical thinking in the care of childbearing families, pediatric, and medical-surgical clients. Theoretical content related to growth and development, child abuse, and human sexuality is included. Concepts are expanded to include the recognition of changes in clients with predictable outcomes. Emphasis is placed on client teaching and the integration of family members in the plan of care. Managerial concepts of delegation, collaboration, time management, and appropriate utilization of resources are developed.

NURS 120 Pharmacology for Nurses I (2)

2 hours lecture

Transfer acceptability: CSU

Basic concepts of pharmacology, pharmacokinetics, pharmacodynamics, drug interactions, and the nursing process related to neurologic and neuromuscular agents; analgesics and anti-inflammatory agents; eye, ear, and skin agents; respiratory agents; endocrine agents; gastrointestinal agents; and reproductive and gender-related agents.

NURS 121 Pharmacology for Nurses II (2)

2 hours lecture

Transfer acceptability: CSU

Basic concepts of pharmacology, pharmacokinetics, pharmacodynamics, drug interactions, and the nursing process related to anticonvulsive agents; antipsychotic agents; cardiovascular agents; renal agents; anti-infective agents; vaccinations; and antineoplastic agents.

NURS 140 Adult Health Assessment (1)

3 hours laboratory

Transfer acceptability: CSU

Basic concepts of health assessment to include interviewing and assessment techniques used to obtain a comprehensive health history from an adult and relating findings to the nursing process. Transcultural and adult developmental stage considerations are also included.

NURS 197 Nursing Topics (.5 - 4)

Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture and/or laboratory may be scheduled by the department. Refer to Class Schedule.

Note: May be taken 4 times

Transfer acceptability: CSU

Topics in Nursing. See Class Schedule for specific topic offered. Course title will designate subject covered.

NURS 203 Nursing Foundation II (1)

1 hour lecture

Prerequisite: A minimum grade of 'C' in NURS 103 or 110 or a copy of a current, active California LVN license in good standing must be on file in the Nursing Education Office prior to registration for this class.

Corequisite: NURS 217 or 118

Note: Graded only

Transfer acceptability: CSU

Builds on the foundation of Nursing 103 and 110. Critical thinking is utilized as a method to explore historical, political, educational, legal, ethical, and bioethical issues that impact nursing practice. Nursing organizations are researched via the internet with an emphasis on evaluation of nursing websites. Managerial concepts are introduced with a focus on decision making skills, managing resources, organizing time, delegating, and supervising care.

NURS 217 Nursing III (9)

4 hours lecture-15 hours laboratory

Prerequisite: A minimum grade of 'C' in NURS 118 or admission to the Associate Degree Nursing Program (LVN-RN) or admission to the Non-Degree Program LVN-RN (30-unit option); and A minimum grade of 'C' in NURS 203, or concurrent enrollment in NURS 203

Note: Graded only

Transfer acceptability: CSU

This course builds on the first year of the program as a process for the development of complex thinking and decision making while caring for medical-surgical, gerontologic, and psychiatric clients. Theoretical concepts are expanded to include identification and prioritization of evidence-based interventions for clients who have unpredictable outcomes or who demonstrate changes in health status. Students collaborate with the interdisciplinary team to manage and modify care of clients.

NURS 218 Nursing IV (9)

3½ hours lecture-16½ hours laboratory

Prerequisite: A minimum grade of 'C' in NURS 203 and 217

Note: Graded only

Transfer acceptability: CSU

This course builds on Nursing 217 expanding nursing practice and critical thinking in the promotion, maintenance, and restoration of health for a group of clients. Students use evidence-based interventions and complex decision-making when caring for acutely ill medical-surgical clients with unstable health problems. Students work collaboratively with the interdisciplinary team to manage and coordinate care for a group of clients. Emphasis is placed on student roles as coordinators, facilitators, and client advocates as they progress toward a competent entry level nursing practice.

NURS 295 Directed Study in Nursing (1, 2, 3)

3, 6, or 9 hours laboratory

Prerequisite: Approval of proposal by the department chairperson

Note: Pass/No Pass grading only; may be taken 4 times for a maximum of 6 units

Transfer acceptability: CSU

Designed for the student who has demonstrated a proficiency in nursing subjects and the initiative to work independently on a particular sustained project which does not fit into the context of regularly scheduled classes. Additionally, this course can be used for students transferring into the Palomar College nursing program. Course work would fulfill needed content and/or clinical laboratory time to meet the requirements of the Associate Degree Nursing Program.

Nutrition

See Family and Consumer Sciences, Health

Oceanography (OCN)

Contact the Earth, Space, and Aviation Sciences Department for further information.

(760) 744-1150, ext. 2512

Office: NS-110G

COURSE OFFERINGS**OCN 100 Oceanography Lecture (3)**

3 hours lecture

Note: Not open to students with prior credit in OCN 101

Transfer acceptability: CSU; UC – OCN 100/100L and 101 combined: maximum credit, 4 units

An introductory course designed to acquaint the student with general oceanography. Topics treated include the history and scope of oceanography, properties of sea water, ocean currents, ocean waves and tides, submarine morphology and geology, marine sediments, life in the sea, and the significance of the oceans to man.

OCN 100L Oceanography Laboratory (1)

3 hours laboratory

Prerequisite: A minimum grade of 'C' in OCN 100, or concurrent enrollment in OCN 100

Note: Not open to students with prior credit in OCN 101

Transfer acceptability: CSU; UC – OCN 100/100L and 101 combined: maximum credit, 4 units

Laboratory and field investigations of marine environments including geologic, physical, chemical, and biological aspects of the ocean and coastal area. The course emphasizes changing physical factors and man's activities as they affect the oceans.

OCN 101 Oceanography (4)

3 hours lecture - 3 hours laboratory

Note: Not open to students with prior credit in OCN 100 or 100L

Transfer acceptability: CSU; UC – OCN 100/100L and 101 combined: maximum credit, 4 units

An introductory course in general oceanography including laboratory and field investigations of marine environments. Topics include: the history and scope of oceanography, properties of sea water, ocean currents, ocean waves and tides, submarine morphology and geology, life in the sea, and the significance of the oceans to man. Laboratory portion includes investigation of marine environments including geologic, chemical, physical, and biological aspects of the ocean and coastal area.

OCN 195 Regional Field Studies in Oceanography (1, 2, 3)

½, 1, or 1½ hours lecture - 1½, 2, 2½, 3, 3½, 4, 4½, or 5 hours laboratory

Note: May be taken 4 times

Transfer acceptability: CSU

Extended field studies that examine the oceanography of selected regions. Emphasis is upon field observation, interpretation, and analysis of varying oceanographic phenomena including coastal processes and landforms, natural resources, marine ecosystems, coastal currents and weather patterns, tectonics and sea level history, and human impacts in the coastal environment.

OCN 197 Oceanography Topics (.5 - 4)

Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture and/or laboratory may be scheduled by the department. Refer to Class Schedule.

Note: May be taken 4 times

Transfer acceptability: CSU; UC – Credit determined by UC upon review of course syllabus.

Topics in Oceanography. See Class Schedule for specific topic covered. Course title will designate subject covered.

OCN 295 Directed Study in Oceanography (1, 2, 3)

Arrange 3, 6, or 9 hours laboratory with department chairperson

Prerequisite: A minimum grade of 'C' in OCN 100 or 101

Note: May be taken 4 times for a maximum of 6 units

Transfer acceptability: CSU; UC – Credit determined by UC upon review of course syllabus.

Individual study in field, library, or laboratory for interested students.

Office Information Systems (OIS)

Contact the Business Administration Department for further information.

(760) 744-1150, ext. 2488

Office: MD-341

Associate in Arts Degrees -

AA Degree requirements are listed in Section 6 (green pages).

- Administrative Assistant
- International Administrative Assistant
- Medical Language Specialist
- Medical Office Management

Certificates of Achievement -

Certificate of Achievement requirements are listed in Section 6 (green pages).

- Administrative Assistant
- International Administrative Assistant
- Medical Language Specialist
- Medical Office Management