- Students will demonstrate familiarity with, and ability to use and write with, appropriate legal terms and legal terminology.
- Students will be able to locate appropriate documents and utilize them to develop legal forms of various kinds used in the legal assisting arena.
- Students will demonstrate knowledge and understanding of American system of government, and federal, state and local court systems, and alternative dispute Resolution.
- Students will demonstrate understanding and knowledge of, and ability to locate California statues, rules of court and local rules of court.

Legal Assisting/Paralegal Studies Courses

LA R041—Computer Applications for Paralegals **3 units**
Advisory: CIS R021A.
2½ hours lecture, 1½ hours lab weekly
This course introduces the student to the variety of court forms required by California law and local jurisdictions. Other court information such as filing fees, pending case calendars and court assignments are covered. Students will review and utilize court forms required for family law, probate (probate of estates, conservatorships, and guardianships), unlawful detainers and bankruptcy, as well as optional forms used for other actions (contract and negligence actions). Students will become familiar with word processing and utilization of computerized programs used in the practice of law as well as simple methods of tracking legal billing hours. Field trips may be required. Formerly CIS R041. (2)

LA R101—Legal Assisting/Paralegal Fundamentals **3 units**
3 hours lecture weekly
This course explores the legal system including basic legal terminology, sources of law, legal reasoning, federalism, court structure, the rules of procedure and ethical standards for lawyers and legal assistants. Includes substantive introduction to the law of contracts and torts, crimes of common law, and the U.S. Constitution. Field trips may be required. (2)
Transfer credit: CSU

LA R102—Torts for Legal Assistants **3 units**
3 hours lecture weekly
This course studies the legal concepts of duty, breach, causation, and damages. Students will explore traditional torts such as negligence and fraud and includes newer torts such "wrongful life". Students will be drafting "complaints" and instructed on investigative techniques. Field trips may be required. (2)
Transfer credit: CSU

LA R103—Contracts for Legal Assistants **3 units**
3 hours lecture weekly
This course studies the formation, interpretation and breach of contracts, both written and oral. Students will be drafting complaints for breach of contract lawsuits. The class will explore investigative techniques commonly used. Field trips may be required. (2))
Transfer credit: CSU

LA R104—Legal Research and Writing I **3 units**
Advisories: LA R101.
3 hours lecture weekly
This course will introduce the student to print research in a law library and computer-based legal research methods, focusing on Federal and California constitutional, statutory and common law in encyclopedia, restatements, model statutes, legislative materials, articles, and other secondary sources of exposition and analysis. The course will also cover critical reading, principles of legal construction and interpretation, and drafting basic legal documents. Field trips may be required. (2))
Transfer credit: CSU

LA R105—Legal Research and Writing II **3 units**
Prerequisites: LA R104.
3 hours lecture weekly
The student will expand research and writing skills using law library, computerized or online resources, and by preparing memoranda, pleadings, transactional documents, or similar legal writings. Field trips may be required. (2)
Transfer credit: CSU

LA R106—Civil Litigation for Legal Assistants **3 units**
Advisories: LA R101.
3 hours lecture weekly
Students will learn, analyze, and examine the basic principles of civil procedures and court rules as applicable to jurisdiction, venue, and preparation of pleadings in a civil action by both parties in the California Court system. Field trips may be required. (2))
Transfer credit: CSU

LA R108—Evidence **3 units**
Advisories: LA R101.
3 hours lecture weekly
Students will learn the rules of civil and criminal evidence. Theory and principles of evidence as utilized and applied to the civil discovery process will be emphasized. Students will examine and analyze California Evidence Code and applicable court decisions. (2)
Transfer credit: CSU

LA R198A-Z—Short Courses in Legal Assisting **½-3 units**
Prerequisites: LA R101.
Lecture and/or lab hours as required by unit formula
These courses are designed to meet specific needs of college and community as requested and required. Field trips may be required.(2)
Transfer credit: CSU

MARINE STUDIES

Along with courses in Marine Biology, Oceanography and Aquaculture, entrepreneurial apprenticeship programs combining science, business and technology are offered through Marine Studies. A study with The White Abalone Project enables students to have a hands-on experience with the endangered white abalone. The study of its larvae, juvenile and early adult stages provides insight into adaptations to physical and biological stresses in the ocean environment.

Learn about the ocean, study at a beautiful location and earn your science credits for CCs, CSU & UC at the Marine Center and Aquarium at the Channel Islands Harbor. Classrooms, laboratories and an aquarium are developed at the Center; including touch tanks, a shark tank and display tanks holding local marine animals and plants.

For more information, contact:
Tom O'Neil, toneil@vcccd.edu
(805) 986-5800, ext. 1916 or 805-985-9801 or
Shannon Newby, snewby@vcccd.edu
(805) 986-5800, ext. 1904 or 805-985-9801

Career Opportunities

(Most careers require bachelor's or graduate degree)

Environmental Science	Natural Resource Management
Marine Biologist	Oceanographer
Aquaculture	Science Teacher
Fisheries	Marine Geologist
Laboratory Technician	Seafood Industry

Faculty

Full-Time	Part-Time
Michael Abram	Kevin Flint
Lorraine Buckley	Tom McCormick
Shannon Newby	Joseph Saenz
Thomas O'Neil	Bryan Swig

Marine Studies Courses

MST R100—Marine Biology **3 units**
3 hours lecture weekly
This course is a broad survey of the plants and animals found in the oceans. Topics include an overview of marine plants, invertebrates, fish, and mammals, a survey of marine habitats including coral reefs, kelp forests, and the deep sea, and an introduction to Oceanography. We will also discuss human impacts and conservation efforts as they relate to marine biology. Applications of the scientific method in marine biology are emphasized. Field trips may be required. (Same as BIOL R100) (2)
Transfer credit: UC, CSU

MST R100L—Marine Biology Laboratory **1 unit**
Prerequisites: MST R100 or concurrent enrollment.
3 hours lab weekly
This laboratory course includes use of the scientific method, the identification and anatomy of marine plants, invertebrates, and fish; field studies of local marine habitats; and an introduction to Oceanography. Field trips may be required. (Same as BIOL R100L) (2)
Transfer credit: UC, CSU

MST R103—Introduction to Oceanography **3 units**
3 hours lecture weekly
This course is a broad survey of the field of oceanography. Topics include geology and geography of ocean basins and coastlines, plate tectonics, waves, currents, tides, properties of seawater, methods of oceanographic exploration, and an introduction to Marine Biology. Field trips may be required. (Same as GEOL R103) (2)
Transfer credit: UC, CSU

MST R103L—Introduction to Oceanography Lab **1 unit**
Prerequisites: MST R103, GEOL R103 or concurrent.
3 hours lab weekly
This course is the laboratory to accompany MST R103. Topics include introduction to ocean/atmosphere relationships, interpretation of bathymetric maps, applied methods of measurement, and descriptive analysis of the physical ocean, including beaches, ocean currents, waves, and water properties. Field trips will be required. (Same as GEOL R103L) (2)
Transfer credit: UC, CSU

MST R122—Aquaculture **4 units**
3 hours lecture, 3 hours lab weekly
The principles of the rearing of organisms in aquatic habitats will be studied through lecture, reading, demonstrations, experimental laboratory exercises, and field trips. Biological and ecological concepts will be applied to the selection, planning, and design of aquaculture systems. Field trips will be required.
Transfer credit: UC, CSU

MST R160—Introduction to Research in Natural Resource Management **4 unit**
Prerequisites: ESRM R100.
3 hours lecture, 3 hours lab weekly
Topics in the course will focus on natural resource management. Laboratory will introduce the scientific process for sampling, assessment, restoration research, and monitoring. Students will be required to collect and manage their data, write progress reports on team projects and a final report in scientific format. Final reports will be presented at an annual poster (PPT) session at the Marine Center. Field trips may be required. Same as ESRM R160. (2)
Transfer credit: CSU

MST R170—Biological Marine Resource Management **1 unit**
Corequisites: MST R178. or GEOL R178
3 hours lab weekly
This field course is an introduction to topics in marine biology related to current resource management issues in this region. Trips to natural areas where biological, geological, and oceanographic resources can be observed will be combined with related information about resource management at the federal, state, and local levels. Field trips will be required. Course may be taken two times. (Same as BIOL R170) (2)
Transfer credit: CSU.

MST R175—Marine Sampling Techniques and Field Studies **3 units**
3 hours lecture weekly
This course is a study of ocean resources in natural settings aboard research vessels or in remote coastal locations. Oceanographic sampling and field techniques will be demonstrated. Travel off-campus is required. Some field trips will be extensive (more than two days). (2)
Transfer credit: CSU

MST R178—Geological Marine Resource Management **1 unit**
Corequisites: MST R170 or BIOL R170.
3 hours lab weekly
Topics in marine geology are related to current resource management issues in this region. This course includes the study of requirements and applications of federal, state, and local laws and regulations related to marine resource management. Field trips will be to natural areas where geological, biological, and oceanographic interactions can be observed. Course may be taken two times. (Same as GEOL R178) (2)
Transfer credit: CSU

MST R190—Experiential Education in Marine Studies **1 unit**
3 hours lab weekly
Students will learn about specific marine-related topics by working at the Oxnard College Marine Education Center assisting in the care and feeding of marine animals, guiding tours, developing exhibits, and/or maintaining the specimen collections. Field trips may be required. Course may be taken four times. (2)
Transfer credit: CSU

MST R195—Communicating Ocean Science **3 units**
3 hours lecture weekly
Students will improve their ability to communicate their scientific knowledge for pre K—8th grade by receiving instruction and by practice teaching. Students will receive instruction in inquiry-based teaching methods and learning pedagogy. The course will end with supervised teaching experience in a local school classroom. Thus, students will practice communicating scientific knowledge and receive mentoring on how to improve their presentations. Field trips will be required. (2)
Transfer credit: CSU

MST R198A-Z—Short Courses in Marine Studies **½-10 units**
Lecture and/or lab hours as required by unit formula
This course is composed of classes in selected areas of Marine Studies to meet specific needs of community or college as required or requested by persons whose needs are not met by regular college offerings. Topics may include, but are not limited to: abbreviated introductory marine studies activities for teachers, planning for viewing a natural marine event, or classes on an oceanographic topic of special interest. Field trips may be required. (2)
Transfer credit: CSU

MST R199—Directed Studies in Marine-Related Topics **1-3 units**

Prerequisites: A course in the specific field.
Lecture and/or lab hours as required by unit formula
This course is designed to prepare students with existing background knowledge of marine systems for further studies in Marine Sciences. Students will have the opportunity to conduct a research project on an ocean related topic including its habitats, resources, or interactions with terrestrial and atmospheric systems. Project findings will be presented in scientific poster format. Field trips may be required. Course may be taken two times.
Transfer credit: CSU

MATHEMATICS

The Mathematics Program at Oxnard College offers courses to meet the needs of a variety of students. Whether you wish to refresh basic math concepts, complete the requirements for your certificate, A.A., or A.S. degree, or transfer to a four-year institution, we have the right course for you.

Our standard courses range from Basic Mathematics through Algebra and Trigonometry, leading into Calculus and Differential Equations. Furthermore, courses such as Statistics, Business Calculus, and Math for Elementary Teachers give the student special tools for competing in specific careers or programs.

The Mathematics faculty at Oxnard College are committed to finding the right course for you, and for making your math experience the best possible!

For more information, contact:
Bret Black, bblack@vcccd.edu
(805) 986-5800, ext. 2030

Career Opportunities

(Most careers require bachelor's or advanced degrees)

Mathematician	Systems Analyst
Programmer	Operations Research Analyst
Statistician	Applied Science Programmer
Actuary	

Faculty

Full-Time	Part-Time	Part-Time
Mark Bates	John Andrich	David Magallanes
Bret Black	Glenn Carver	Victor Moreno
Marlene Dean	Dongyan Dai	John Norbutas
Hussein Fahs	Roula Dakdouk	Gary Rigsby
Steve Hall	Stephanie Fahs	Mamerta Santiago
Alan Hayashi	William Greason	Ambika Silva
Maria Parker	Roland Handy	Hugo Viveros
Lilia Ruvalcaba	Michael Lowe	Juan Zuniga
Catalina Yang		

◆ Mathematics

Associate in Arts Degree

Required Courses:		Units
MATH R120	Calculus with Analytic Geometry I	5
MATH R121	Calculus with Analytic Geometry II	5
		10

Additional Requirement:
Complete a minimum of two (2) courses from the following:

MATH R105	Introductory Statistics	5
MATH R122	Calculus with Analytic Geometry III	5
MATH R125	Differential Equations with Linear Algebra	5
	Total Required Units	**20**

Program Student Learning Outcomes

Upon successful completion of the Mathematics program students will be able to:

- Students will use logic to draw well supported conclusions from information given.
- Students will apply rules and principles to new situations.
- Students will use tables, graphs, charts and diagrams to explain concepts or ideas.

Mathematics Courses

MATH R009—Basic Mathematics **3 units**
3 hours lecture weekly
This course reviews basic mathematical skills and fundamental operations as applied to integers, common and decimal fractions, and percentages. Emphasis is placed on understanding of arithmetic and mathematical processes. Not applicable for degree credit. (2)

MATH R009A—Basic Mathematics I **1 unit**
½ hour lecture, 1½ hours lab weekly
This course is the first of a three-course sequence equivalent to MATH R009. In this course, students master basic mathematical skills and fundamental operations as applied to whole numbers. A student receiving credit in MATH R009A, B, and/or C will not receive credit in MATH R009. Not applicable for degree credit. (1).

MATH R009B—Basic Mathematics II **1 unit**
Advisory: MATH R009A
½ hour lecture, 1½ hours lab weekly
This course is the second of a three-course sequence equivalent to MATH R009. In this course, students master basic mathematical skills and fundamental operations as applied to fractions and decimals. A student receiving credit in MATH R009A, B, and/or C will not receive credit in MATH R009. Not applicable for degree credit. (1).

MATH R009C—Basic Mathematics III **1 unit**
Advisory: MATH R009A and MATH R009B
½ hour lecture, 1½ hours lab weekly
This course is the third of a three-course sequence equivalent to MATH R009. In this course, students master basic mathematical skills involving ratio and proportions, percent, geometry and measurement. A student receiving credit in MATH R009A, B, and/or C will not receive credit in MATH R009. Not applicable for degree credit. (1).

MATH R010—Pre-Algebra **4 units**
Prerequisites: MATH R009.
4 hours lecture weekly
This course bridges the gap between arithmetic and elementary algebra. It reviews whole numbers, fractions, mixed numbers, decimals and integers, and examines proportions, unit analysis, and percent. It also introduces algebraic expressions, solving equations, graphing straight lines and interpreting other graphs. Proper notation, word problems, and study skills will be emphasized. Not applicable for degree credit. (2)

MATH R010A—Pre-Algebra I **1 unit**
Prerequisites: MATH R009 or equivalent.
½ hour lecture, 1½ hours lab weekly
This course is the first of a four-course sequence equivalent to MATH R010. This course helps bridge the gap between arithmetic and elementary algebra. It reviews whole numbers, decimals and fractions, along with using mental math. It also introduces integers, exponents, order of operations and averages. A student receiving credit in MATH R010A, B, C, and/or D will not receive credit for MATH R010. Not applicable for degree credit. (1).