



NATIONAL  
UNIVERSITY

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# 2020 GENERAL CATALOG



NATIONAL

UNIVERSITY

# ERRATA

## TO THE NATIONAL UNIVERSITY GENERAL CATALOG 83

**Effective Date July 1, 2020**

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**National University Academic Headquarters**

11255 North Torrey Pines Road

La Jolla, CA 92037-1011

(858) 642-8800

## Tuition

Tuition rates in effect as of July 1, 2020.

Undergraduate.....	\$370 per quarter unit
Graduate.....	\$442 per quarter unit
Undergraduate NSG Courses.....	\$388 per quarter unit (Excludes RN to BSN courses)
Master of Science in Nursing .....	\$450 per quarter unit
Doctor of Education .....	\$650 per quarter unit
Doctor Nurse Anesthesia Practice.....	\$798 per quarter unit

COURSE LEVEL	4.5	3	2.25	1.5
	quarter units	quarter units	quarter units	quarter units
100, 200, 300, 400	\$1,665	\$1,110	\$832.50	\$555
500 (Undergraduate)*	\$1,665	\$1,110	\$832.50	\$555
500 (Graduate)*	\$1,989	\$1,326	\$994.50	\$663
600, 700	\$1,989	\$1,326	\$994.50	\$663
800 (Subject EDD)	\$2,925	\$1,950	\$1,462.50	\$975
800 (Subject ANE)	\$3,591	\$2,394	\$1,795.50	\$1,197

### Master of Science in Nursing Fees

RN-MSN students	
NSG 500 .....	\$3,280.00

### ACADEMIC POLICIES AND PROCEDURES

Some degree programs may have additional policies and procedures. Please see the appropriate section of the catalog for more information.

#### Grade Changes

All grades are final. Students are not allowed to complete additional work after the final grade has been assigned or to repeat examinations in order to improve a grade. Students may request a review of their records if the possibility of a clerical or computational error exists. Additional information is available in the Grade Appeals section below.

#### Grade Appeals

Faculty members are vested with the authority to establish course requirements and standards of performance. It is the responsibility of faculty to articulate and communicate course requirements and standards of performance to students at the beginning of each course and apply all grading criteria uniformly and in a timely manner. Final grades submitted by faculty to the Office of the Registrar are presumed to be accurate and final. A student who has questions about a grade received in a course should seek to resolve the issue by first consulting with the instructor. If the issue has not been resolved after consultation, and the student believes there are grounds for appealing the grade, the student may invoke the grade-appeal procedure outlined below.

**Grounds for a Grade Appeal:** Students can appeal a grade only when they can document that one or more of the following has occurred:

- An error in calculating the grade.
- Failure of the instructor to notify students clearly and promptly of the criteria for grade determination.
- Assignment of a grade based on reasons other than the announced criteria and standards.
- Concerns with academic integrity violation and/or cheating.

#### Grade Appeal Process

When students believe that they have grounds for appealing a grade issued by an instructor because of an occurrence of one or more of the above mentioned circumstances, the following procedures must be followed:

- The student must submit an e-form through the student portal to the college/school dean within 45 days of grade posting for the course. The student must attach to the e-form clear substantiating documentation that demonstrates the occurrence of one or more of the above-listed grounds for appeal. Documentation may be in the form of e-mail correspondence, graded assignments, proof of timely submission, etc. The student must also attach documentary evidence of the level of achievement in support of the particular grade that the student believes he/she should have been awarded. If the evidence meets the criteria, the college/school dean forwards the student's e-form to the instructor for a response, which the instructor must provide within 15 days. The dean then refers all documentation to the grade appeals committee.

#### Grade Appeals Committee

A standing committee within each college/school, the Grade Appeals Committee consists of three or more faculty members (full-time or associate) appointed by the appropriate college/school Dean. The Grade Appeals Committee considers the documentation and may decide either to change or uphold the grade. The Grade Appeals Committee will render a decision within 30 days of receiving the grade appeal e-form information from the college/school Dean. The office of the college/school dean will notify all of the following: the student, the instructor, and the Office of the Registrar.

#### EQUAL OPPORTUNITY, HARASSMENT, AND NONDISCRIMINATION POLICY

This Policy is effective August 14, 2020. On May 6, 2020, the United States Department of Education released new Title IX regulations, effective August 14, 2020 (the "2020 Title IX Regulations"). The new 2020 Federal Title IX Regulations require modification of this policy. However, there are several lawsuits pending which seek to stay, delay, or block implementation of some or all of the provisions in the 2020 Title IX Regulations. Should a court delay, stay, or strike down, either temporarily or permanently, any portion of the 2020 Title IX Regulations, the University will make any necessary modifications to this Policy, which will become effective immediately. If a court delays implementation of or strikes down all of the regulations, the University may revert back or retain the previous version of this Policy.

National University adheres to all federal, state, and local civil rights laws prohibiting discrimination in employment and education. National University does not discriminate in its admissions practices except as permitted by law, in its employment practices, or in its educational programs or activities on the basis of race/ethnicity/national origin, religion, sex/gender, color, pregnancy/parenting, citizenship status, physical or mental

disability, medical condition, age, marital/domestic partner status, sexual orientation, gender identity/characteristics, gender expression, veteran or military status, domestic violence victim status or any other protected category under applicable local, state, or federal law, including protections for those opposing discrimination or participating in any grievance process on campus, with the Equal Employment Opportunity Commission, or other human rights agencies.

As a recipient of federal financial assistance for education activities, National University is required by Title IX of the Education Amendments of 1972 to ensure that all of its education programs and activities do not discriminate on the basis of sex.

National University also prohibits retaliation against any person opposing discrimination or participating in any discrimination investigation or complaint process internal or external to the institution. Sexual harassment, sexual assault, dating and domestic violence, and stalking are forms of sex discrimination, which are prohibited under Title IX and by National University policy.

Any member of the campus community, guest, or visitor who acts to deny, deprive, or limit the educational, employment, residential, or social access, opportunities and/or benefits of any member of the National University community on the basis of a protected category is in violation of the Equal Opportunity, Harassment, and Nondiscrimination policy.

Any person may report discrimination (whether or not the person reporting is the person alleged to have experienced the conduct), in person, by mail, by telephone, by video, or by email, using the contact information listed for the Title IX Coordinator (below). A report may be made at any time (including during non-business hours) by online via the reporting tool found at [www.nu.edu/reportit](http://www.nu.edu/reportit).

Questions regarding Title IX, including its application and/or concerns about noncompliance, should be directed to the Title IX Coordinator. For specific questions or more information, please visit <https://www.nu.edu/title-ix/policies/> or contact the Title IX Coordinator.

Individuals who believe they have experienced discrimination, harassment, and/or retaliation in violation of National University policy should contact the following:

Title IX Coordinator  
Heather M. Tyrrell  
Institutional Equity Officer  
11255 North Torrey Pines Road Telephone: (858) 642-8087  
Cell: (619) 457-3332  
Email: [htyrrell@nu.edu](mailto:htyrrell@nu.edu)

A person may also file a complaint with the appropriate federal, state, or local agency within the time frame required by law. Depending upon the nature of the complaint, the appropriate agency may be the federal Equal Employment Opportunity Commission (EEOC), Office for Civil Rights (OCR) of the U.S. Department of Education, the Department of Justice, and/or the California Department of Fair Employment and Housing (DFEH).

### **San Francisco Office**

#### **Office for Civil Rights**

U.S. Department of Education 50 United Nations Plaza  
Mail Box 1200, Room 1545 San Francisco, CA 94102  
Telephone: 415-486-5555

FAX: 415-486-5570; TDD: 800-877-8339

Email: [ocr.sanfrancisco@ed.gov](mailto:ocr.sanfrancisco@ed.gov)

#### **Assistant Secretary for Civil Rights**

#### **Office for Civil Rights, National Headquarters**

U.S. Department of Education  
Lyndon Baines Johnson Dept. of Education Building  
400 Maryland Avenue, SW  
Washington, DC 20202-1100  
Telephone: 800-421-3481

Fax: 202-453-6012; TDD: 800-877-8339

Email: [OCR@ed.gov](mailto:OCR@ed.gov)

For complaints involving employees:

[Equal Employment Opportunity Commission \(EEOC\)](#) 3

[California Department of Fair Employment and Housing \(DFEH\)](#)

All alleged violation(s) of this anti-discrimination policy reported to an Official with Authority will be addressed through the appropriate resolution process determined by the Title IX Coordinator. A detailed copy of the University's policy and procedures can be requested by emailing [odei@nu.edu](mailto:odei@nu.edu).

Within any resolution process related to this policy, National University provides reasonable accommodations to persons with disabilities and religious accommodations, when that accommodation is consistent with state and federal law.

ATIXA 2020 ONE POLICY, TWO PROCEDURES MODEL  
USE AND ADAPTATION OF THIS MODEL WITH CITATION  
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TO NATIONAL UNIVERSITY. ALL OTHER RIGHTS  
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# COLLEGE OF PROFESSIONAL STUDIES

## MASTER OF PUBLIC HEALTH

Program Lead: Tyler Smith; [tsmith@nu.edu](mailto:tsmith@nu.edu)

The Master of Public Health (MPH) is a graduate professional degree designed to prepare students for leadership positions in health promotion and disease prevention, community mental health, or public health care administration. Public Health involves multidisciplinary and collaborative strategies for solving health related problems and promoting social justice, including programs that serve the public sector at all levels' local, state, federal, and global. Faculty members have expertise and experience in public health, applied research, and in higher education.

The MPH program emphasizes the application of broad-based, state-of-the-art quantitative and qualitative skills needed for problem-solving. Special attention is given to enhancement of communication skills needed to work with diverse populations. Ideal candidates for the MPH program are those students looking for career advancement within the public health sector; and those looking for career transition into public health from other health professions. Graduates will enhance their opportunities for professional growth and job placement through carefully planned internships and a comprehensive capstone experience. The MPH program is accredited by the Council on Education for Public Health (CEPH).

### Admission Requirements

1. Successful completion of college level introductory statistics course such as BST322 or MTH210.
2. Have completed baccalaureate degree with a 2.85 cumulative GPA from regionally accredited institutions attended.

### Additional Prerequisite Requirement

Students should be proficient in operating a personal computer, including standard computer operating systems, electronic filing systems, basic keyboarding skills, organizing and sorting electronic documents. Knowledge of standard computer applications to include Microsoft Word, Excel, and PowerPoint and familiarity with using internet browsers and standard email systems such as MS Outlook is required.

In accordance with the competency guidelines established by the National Commission for Health Education Credentialing (NCHEC) and the Council on Education for Public Health (CEPH), the Master of Public Health program prepares graduates to master the following program learning outcomes.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Apply epidemiologic methods to public health research, policy, and practice
- Explain the critical importance of evidence in advancing public health knowledge
- Apply the concepts and methods of social justice and social and behavioral sciences relevant to the identification and solution of public health problems
- Analyze the planning, organization, administration, and policies of health care organizations
- Apply the principles of leadership to address public health challenges
- Communicate appropriate public health content in writing and through oral presentation in a culturally competent and effective manner

### Degree Requirements

To receive an MPH degree, students must complete at least 72 quarter units of graduate work including the core MPH requirements and one area of specialization. A total of 13.5 quarter units of graduate credit may be granted for equivalent graduate work completed at another institution, as it applies to this degree and provided the units were not used in earning another advanced degree. Refer to the section on graduate admission requirements for specific information regarding application and evaluation.

### Core Requirements

(8 courses; 33 quarter units)

COH 599	Public Health Foundation (1.5 quarter units)
HCA 600	U.S. Healthcare System
COH 601	Global Public Health <i>Prerequisite: HCA 600</i>
COH 602	Biostatistics
COH 604	Theories of Health Behavior
COH 606	Epidemiology <i>Prerequisite: COH 602 or ANA 630</i>
COH 611	Public Health Research Methods
COH 612	Health Policy and Advocacy

### Specialization in Community Mental Health

Students in the specialization in Community Mental Health will be prepared for leadership positions in planning, implementing, and evaluating community-wide prevention programs to enhance mental health.

### Program Learning Outcomes:

Upon successful completion of this program, students will be able to:

- Assess the social, political, and environmental context of mental health in relation to public health practice
- Create evidence-based programs to prevent or reduce mental health disorders in community settings
- Design an evaluation plan to assess the effectiveness of a community mental health program
- Identify factors that promote or influence the occurrence, persistence, or severity of mental and behavioral disorders
- Apply appropriate research principles and techniques to mental health
- Construct an advocacy plan to improve culturally sensitive mental health policies in communities

### Requirements for the Specialization

(7 courses; 31.5 quarter units)

COH 623	Mental Health Services
COH 627	Mental Health Populations
COH 621	PH Aspects of Drug Addiction <i>Prerequisite: COH 602</i>
COH 616	Mental Health Promotion
COH 614	Psychosocial Epidemiology <i>Prerequisite: COH 606</i>
COH 617	PH Aspects of Violence <i>Prerequisite: COH 604 and</i>
COH 619	PH Aspects of Human Sexuality <i>Prerequisite: COH 604 and</i>

### Health Experience

(1 course; 3 quarter units)

COH 550	Global Health Experience (3 quarter units)
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or

COH 693C Mental Health Experience (3 quarter units)  
*Recommended: Prior completion of all core and specialization courses prior to enrolling in COH 693C*

### Capstone Requirement

(1 course; 4.5 quarter units)

COH 694C Mental Health Capstone  
*Recommended: Prior completion of all core and specialization courses prior to enrolling in COH 694C*

### Specialization in Health Promotion

The specialization in Health Promotion will prepare MPH students for leadership positions in health promotion, health education, and health enhancement. The program emphasizes the planning, implementation, and evaluation of community-wide prevention programs. The pursuit of social justice and global health are overarching concepts throughout the MPH program.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Assess factors that influence, enhance, or impede health promotion
- Explain factors that influence implementation of health promotion programs
- Evaluate the implementation of health promotion programs
- Integrate the results of health promotion evaluation into interventions and policies
- Apply principles of financial management, information technology, human resource management, and community building to build or enhance health promotion programs.
- Provide advice and consultation on health promotion issues
- Apply appropriate research principles and techniques to develop health promotion programs

### Requirements for the Specialization

(7 courses; 31.5 quarter units)

COH 603 Public Health Biology  
COH 608 Public Health & the Environment  
COH 605 Public Health Promotion  
*Prerequisite: COH 604*  
COH 607 Public Health Program Develop  
*Recommended Preparation: COH 604*  
COH 609 PH Program Evaluation  
COH 618 Health Promotion Strategies  
*Prerequisite: COH 605 and COH 609*  
COH 613 Public Health Informatics  
*Prerequisite: COH 606*

### Health Experience

(1 course; 3 quarter units)

COH 550 Global Health Experience (3 quarter units)  
**or**  
COH 693A Health Promotion Experience (3 quarter units)  
*Recommended: Prior completion of all core and specialization courses prior to enrolling in COH 693A.*

### Capstone Requirement

(1 course; 4.5 quarter units)

COH 694A Health Promotion Capstone  
*Recommended: Prior completion of all core and specialization courses prior to enrolling in COH 694A*

### Specialization in Healthcare Administration

The Specialization in Healthcare Administration will prepare MPH students for leadership positions in public and private health care. Health care management involves the organization, financing, and delivery of services to prevent and treat illness and disease.

### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Conduct financial analysis, explain financial and accounting information, and make long-term investment decisions for a healthcare organization
- Apply health care management methods to health care organizations
- Use administrative and health information technology to develop process and performance improvement plans.
- Incorporate the principles of quality management for improving outcomes in healthcare organizations
- Synthesize best practices in health care leadership

### Requirements for the Specialization

(7 courses; 31.5 quarter units)

HCA 620 Health Organization Management  
*Prerequisite: COH 602*  
HCA 626\*\* Healthcare Information Systems  
*Prerequisite: ANA 630*  
HCA 622 Quality Appraisal & Evaluation  
*Prerequisite: HCA 600 and HCA 620*  
HCA 628 HA Human Resources Management  
HCA 663 Healthcare Accounting/Finance  
*Prerequisite: HCA 628*  
HCA 624 Healthcare Planning & Marketing  
*Prerequisite: COH 611*  
HCA 670 Healthcare Leadership  
*Prerequisite: HCA 624*

\*\* Please note: ANA prerequisite is NOT required for students in the Specialization in Healthcare Administration

### Health Experience

(1 Course; 3 quarter units)

COH 550 Global Health Experience (3 quarter units)  
**or**  
COH 693B Healthcare Admin Experience (3 quarter units)  
*Recommended: Prior completion of all core and specialization courses prior to enrolling in COH 693B*

### Capstone Requirement

(1 course; 4.5 quarter units)

COH 694B Healthcare Admin Capstone  
*Recommended: Prior completion of all core and specialization courses prior to enrolling in COH 694B*

## COURSE DESCRIPTIONS

### BIO- Biology

#### BIO 201 Human Anatomy & Physiol I

*Corequisite: BIO 201A*

*Recommended: Prior completion of: BIO 100, BIO 100A, CHE 101, CHE 101A*

Areas of study include cells, tissues, organ systems (integumentary, skeletal, muscular, and nervous), and their functional relation to each other. Topics also include the aging process and diseases in these systems, as well as the effects of genetics, diet, lifestyle, and the environment.

#### BIO 201A Human Anatomy & Physiol Lab I

(1.5 quarter units)

*Corequisite: BIO 201*

*Recommended: Prior completion of: BIO 100, BIO 100A, CHE 101, CHE 101A.*

This laboratory course examines organ systems (skeletal, muscular, and nervous). Students conduct cat/fetal pig dissections to identify and learn how skeletal muscles are organized according to body region. Sheep brain is used as a model to study human brain.

#### BIO 203 Introductory Microbiology

*Corequisite: BIO 203A*

*Recommended prior completion of BIO 100, BIO 100A, CHE 101, CHE 101A, BIO 201, BIO 201A, BIO 202, BIO 202A*

Biology of pathogenic and nonpathogenic microbes, including bacteria, fungi, protozoans, and viruses. The epidemiology of disease-causing agents is studied, along with the fundamentals of the human immune response.

#### BIO 203A Introductory Microbiology Lab

(1.5 quarter units)

*Corequisite: BIO 203*

*Recommended: Prior completion of: BIO 100, BIO 100A, CHE 101, CHE 101A, BIO 201, BIO 201A, BIO 202 and BIO 202A*

This laboratory course introduced students to procedures for handling microbes, methods of identification of microorganisms (microscopic and by diagnostic media), preparation of stained slides and wet mounts, aseptic techniques, isolation of a single colony, preparation of a pure culture, inoculation and interpretation of select diagnostic tests. This two-month course is a combination of lecture and laboratory activities.

### SYE- Systems Engineering

#### SYE 600 Introduction to Systems Design

Detailed overview of the nature of systems and the systems engineering design process of human-made systems. The main emphasis is on the four phases of systems design: conceptual design, preliminary design, detail design, and evaluation and testing. Life cycle engineering and requirements analysis are introduced.

#### SYE 601 Systems Analysis & Design Eval

*Prerequisite SYE 600*

An in-depth study of systems analysis and design evaluation. The emphasis is on using various modeling tools to predict system performance and evaluate various system alternatives under multiple design criteria and conditions of risk and uncertainty. Use of calculus and MS Excel are required.

#### SYE 602 Advanced System Design

*Prerequisite SYE 601*

Advanced system design concepts and details the methodologies of design for operational feasibility: system reliability, maintainability, usability (human factors), supportability (serviceability), producibility and disposability, and affordability (life-cycle costing). The course also provides an introduction to systems engineering management, including planning, organization, and program control and evaluation.

#### SYE 603 System Dynamics

*Prerequisite SYE 602*

Analysis of complex systems, system behavior, and system of systems. Includes the concept of intended and unintended consequences, systems thinking, modeling dynamic systems and decision making, system instability and oscillation, and testing of system models. System dynamic programming software is provided with the text.