

## UCSD nabídka studijního pobytu

V rámci projektu Erasmus+ KA 171 – mezinárodní mobility – jsme za FTK získali prostředky na zahraniční studijní pobyt na University of California San Diego (UCSD) pro studenty doktorského studijního programu (DSP), popř. magisterské studenty, kteří plánují pokračovat na DSP, jsou šikovni a mají již domluvenou potenciální spolupráci s konkrétním školitelem. Projekt byl připraven ve spolupráci s dr. Michaellem Pratem, kterého jsme měli v akad. roce 2022/2023 na FTK na pozici Fulbright scholar.

Nejvýznamnější oblasti zájmu, které mohou být ze strany UCSD nabídnuty jsou tyto:

- Epidemiology
- Health Behavior
- Public Health
- Technology and Precision Health
- Health Policy

V těchto jednotlivých oblastech se rozvíjejí následující kompetence:

The **Epidemiology** Concentration prepares students for careers in epidemiologic practice across diverse public health settings. The concentration's core competencies include:

1. To define basic epidemiologic concepts and terminology, including study designs, sources of bias, risk and preventive factors, and principles of causation; calculating basic epidemiologic measures.
2. To describe leading causes of mortality and morbidity by population, place, and time.
3. To understand how to analyze and make appropriate inferences from epidemiologic data.
4. To explain and apply epidemiologic methods in public health research and practice settings.
5. To recognize the importance of epidemiology for informing scientific, ethical, economic, and political discussions around population health.
6. To understand how to examine and identify health disparities and their potential causes.

The **Health Behavior** concentration will address the behavioral, social, and cultural factors related to individual and population health and health disparities. The concentration's core competencies include:

1. Identify and understand the multilevel behavioral determinants of health that are individual, environmental, and social and health disparities stemming from them.
2. Understand and apply theories and models from psychosocial, behavioral, and medical disciplines to health behavior changes and promotion.
3. Apply evidence-based approaches in evaluating and designing interventions that improve individual and public health.
4. Understand methodological considerations in interpretations and applications of biopsychosocial factors in health outcomes.
5. Understand and apply ethical considerations in health behavior and intervention research and practice.
6. Understand and demonstrate knowledge in promotion of health in the community in a culturally sensitive and equitable manner.

The **Public Mental Health** concentration aims to train students to recognize and address mental health issues at a population level, and to understand the relationship between mental and physical health. The concentration's core competencies include:

1. Applying epidemiological methods to monitor trends and determine risks in current public mental health issues;
2. Designing, evaluating, and implementing effective mental health intervention and programs
3. Assessing public health care systems in the context of specific mental illnesses to improve dissemination and implementation;
4. Preparing public health leaders to promote mental health among specific vulnerable populations and in a culturally appropriate manner;
5. Advocate for political, social, or economic policies and programs that will improve mental health in diverse populations

The **Technology & Precision Health** concentration offers in-depth educational training in an area of public health that is a pressing need: how to use cutting-edge technologies to address public health issues. The concentration's core competencies include:

1. Identify new and emerging “precision” technologies and understand how they might affect existing public health policy and practice.
2. Understand what new and traditional technologies need to be integrated to advance population and public health.
3. Prepare students to work and collaborate with stakeholders from a range of sectors and disciplines, consistent with the multi-disciplinary nature of technology and precision health.
4. Recognize the risks and unintended consequences of emerging technologies and how these can be mitigated (e.g., through education or appropriate policy, risk management, systems design, research, or regulatory frameworks).
5. Become future leaders of the emerging interdisciplinary field of precision health through identification of opportunities for emerging technologies, data, and methods to promote population and public health.

**Health policy** is a dynamic field comprised of three main academic disciplines: public policy/political science, economics, and organizational behavior. The concentration's core competencies include:

1. Identify policies, laws, and regulations impacting health systems, the delivery of healthcare services, and health outcomes.
2. Recognize the impact of policies, laws, and regulations on individual behaviors, community development, and overall health equity.
3. Explain why health outcomes are so strongly related to income and race/ethnicity, and the role of disparities in public health outcomes.
4. Evaluate the effectiveness, efficiency, and equity of health policies regulating the healthcare industry and impacting public health.
5. Describe the long-run economic drivers of the healthcare system, the factors that influence consumer demand for health insurance and medical care, and to describe the factors that influence delivery of healthcare services.
6. Summarize key health policies, laws, and regulations in at least one in-depth topic area through elective coursework.

S ohledem na dobu výjezdu se může vybraný student/studentka zapsat do většiny následujících předmětů:

Fall	
Course Number	Course Title
FMPH 400	Introduction to Biostatistics
FMPH 401	Introduction to Epidemiology
FMPH 402	Intro to Health Behavior
FMPH 413	Ethics in Public Health Research & Practice
FMPH 417	CVD Epidemiology
FMPH 427	Mental Health Across the Lifecourse
FMPH 430	Technology and Precision Health
FMPH 491 A00	Special Topics: Qualitative Research Methods
FMPH 491 B00	Special Topics: ID Epi & Economic Modeling
FMPH 491 C00	Special Topics: Substance Use & Population Health
FMPH 491 D00	Special Topics: Reproductive Justice in the US
FMPH 496A	PH Leadership in Practice

<b>Winter</b>	
Course Number	Course Title
FMPH 404	Intro to Environmental & Occupational Health
FMPH 405	Introduction to Health Policy
FMPH 411	Program Optimization and Evaluation
FMPH 415	Advanced Epidemiologic Methods
FMPH 419	Biostatistics II
FMPH 425	Dissemination & Implementation
FMPH 440	Intro to Health Economics
FMPH 460	Design and Public Health
FMPH 496B	MPH Practicum Field Placement
<b>Spring</b>	
Course Number	Course Title
FMPH 403	Public Health Research Methods
FMPH 406	Scientific Writing
FMPH 410	Health Behavior Interventions
FMPH 418	Infectious Disease Epi
FMPH 426	Mental Health, Health Behavior, and Addiction
FMPH 431	Public Health Informatics
FMPH 441	The Organization and Financing of the US Healthcare System
FMPH 491 A00	Special Topics: Anthropology in Public Health
FMPH 491 B00	Special Topics: VIIDAI