

Prevention Science (PSC)

PSC 386 Applied Research Methods 3 Hours

Explore disciplines of research methods, research design, data-producing techniques, treatment, interpretation of data and reporting on research.

PSC 390 Introduction to Prevention Science 3 Hours

Introduction to prevention science and to the logic of prevention as preferable to care or management of health problems.

PSC 391 Theories of Change 3 Hours

Examine personal, social, and environmental factors that influence health-related behavior as well as the role of individuals, groups, institutions, and social structures in encouraging and discouraging healthy behavior. Focus on behavior change theories and the practical application of these theories.

PSC 392 Prevention Science Across the Lifespan 3 Hours

Introduction to the theories and applications of developmental science and the lifespan approach to prevention science. Learn how to integrate principles of developmental science into a prevention science framework.

PSC 393 Foundations of Epidemiology 3 Hours

Introduction to the basic tenets of epidemiology as well as the different types of epidemiological study designs.

PSC 394 Community Engaged Intervention Design 3 Hours

Develop culturally responsive, theory-based prevention and treatment practices in school, community, and family settings. Discuss prevention science research and practice to contextualize the tension between theory and evidence-based design and community contextual fit when developing, refining, and disseminating intervention programs.

PSC 395 Topics in Prevention Science 3 Hours

Examine advanced topics in prevention science; critique and synthesize research findings and literature.

PSC 395.1 Advanced Methods in Prevention Science 3 Hours

Explore analytic reasoning and research design, execution, analysis, interpretation, and appraisal for prevention scientists. Examine complex study designs, analytic techniques, issues of bias, moderation and mediation, and causal inference.

PSC 395.10 Psychology of Immigration and Cultural Adaption 3 Hours

Discuss psychology of immigration and cultural adaptation. Examine immigration and cultural adaptation from the perspectives of demography, sociology, anthropology, developmental psychology, family psychology, vocational studies, and other disciplines.

PSC 395.11 Mind, Body, and Health 3 Hours

PSC 395.12 Fundamentals of Health Coaching 3 Hours

PSC 395.2 Implementation Science 3 Hours

Discuss the theory and practice of Dissemination and Implementation (D&I) Sciences. Explore conceptual and theoretical foundations of implementation science, methodologies for evaluating implementation and dissemination strategies, and examining case examples from literature.

PSC 395.3 The Design and Conduct of Randomized Controlled Trials 3 Hours

Conduct randomized controlled trials (RCTs) of preventive intervention and health promotion programs.

PSC 395.4 Social Determinants of Health 3 Hours

Explore social determinants of health and health disparities in the United States and globally, as well as strategies to address them.

PSC 395.5 Research Ethics 3 Hours

Explore ethical issues in research.

PSC 395.6 Impact of Marketing on Public Health 3 Hours

Introduction to research on the impact of marketing from a public health perspective, with a focus on youth and young adults. Explore theoretical approaches to understanding marketing's influence, impacts on public health, and disproportionate impact on vulnerable groups.

PSC 395.7 Physical Activity and Public Health Practice 3 Hours

Practice strategies for implementation of public health programming related to physical activity, approached through review of the current research literature. Focus on evidence-based strategies, and key approaches to program development, implementation, and evaluation.

PSC 395.8 Risk and Resilience in Children and Adolescents 3 Hours

Introduction to the theories and methods of child and adolescent risk and resilience. Examine resilience processes in populations at elevated risk for negative outcomes. Explore how empirical research contributes to the development of programs aimed at strengthening resilience in at-risk youth.

PSC 395.9 Child and Adolescent Health Psychology 3 Hours

Introduction to the psychological, social, and physical aspects of childhood and adolescence. Examine issues from a developmental-contextual perspective.

PSC 196, 296, 396 Doctoral Seminar 1-3 Hours

Produce individual or shared project research with reports evaluated by seminar participants and the instructor.

PSC 196T, 296T, 396T Directed Research in Prevention Science 1-3 Hours

Investigate assigned problems under the direction of a Graduate Studies Committee member; develop and demonstrate competence in research design and execution; produce an acceptably written research report.

PSC 197, 297, 397 Research Problems 1-3 Hours

Examine individual or group research in a specialized area of health education.

PSC 397P, 697P Graduate Internship 3,6 Hours

Practice in a professional organization or institution under supervision.

PSC 698 Thesis 6 Hours

PSC 398T Teaching in Higher Education 3 Hours

Explore diverse instructional strategies, common issues in teaching and learning, short and long-term planning, practical aspects of course design and management, as well as assessment and grading practices. Review historical perspectives on the research in teaching and learning.

PSC 399W, 699W, 999W Dissertation 3,6,9 Hours