

## CLINICAL AND COMMUNITY OUTCOMES RESEARCH CERTIFICATE WOMEN'S HEALTH CONCENTRATION

### PROGRAM OVERVIEW

The Clinical and Community Outcomes Research (CCOR) Certificate addresses a well-documented gap in the continuum spanning basic health and medical research discoveries and the application of those findings in clinical and public health practice. The CCOR Certificate focuses on the development of skills to engage successfully in clinical and community health outcomes research. The Women's Health concentration is a specialized option within the CCOR Certificate incorporating the core principles of translational science.

The CCOR/Women's Health curriculum is designed to encourage innovative and best practice approaches to improve health with concentrated scholarship on women's health and the consideration of sex and gender as variables contributing to health outcomes. The program aims to train students from diverse disciplines to advance future leaders in women's health and sex and gender differences research. The core curriculum provides the framework for investigators to conduct clinical, translational, social-behavioral, or health-services research with an understanding of sex and gender specific health outcomes to improve the health of women.

**Learning Objectives:** In addition to CCOR program objectives, students will:

1. Examine the integral link between women leaders and the advancement of women's health.
2. Increase understanding of major theories, approaches, and current outcomes research methodologies integrating sex and gender variables as determinants of women's health.
3. Broaden conceptual knowledge and use of scientific inquiry to improve the health of women within clinical and community settings by employing best practice approaches to stakeholder engagement.

### PROGRAM ADVISEMENT

Program Director: M. Elizabeth Meyerand, PhD

Faculty advisors with extensive research knowledge and experience, work with participants to design an individualized program to meet specific training needs. Following admittance to the program, a faculty advisor is assigned to work with the student through completion of the program. An objective of the certificate program is to encourage exploration of a variety of perspectives by matching participants with an advisor outside his/her discipline.

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## PROGRAM ADVISEMENT

### Faculty Advisors:

- Elizabeth Burnside, MD, MPH, MS, Professor, Department of Radiology, School of Medicine and Public Health
- Janet Hyde, PhD, Professor, Department of Gender & Women's Studies, College of Letters and Science
- M. Elizabeth Meyerand, PhD, Professor, Department of Medical Physics, School of Medicine and Public Health
- Diane Lauver, PhD, RN, FNP-BC, FAAN, Professor, School of Nursing
- Jon Levine, PhD, Professor, Department of Neuroscience, School of Medicine and Public Health
- Christine Sorkness, RPh, PharmD, Professor, School of Pharmacy

## APPLICATION GUIDELINES

Graduate, Professional or Capstone (Special) students from any discipline are eligible to apply for enrollment in the CCOR/Women's Health Certificate program. To be considered for admission, students will apply to the CCOR Certificate program.

For more information, please contact Deidre Vincevneus at [vincevneus@wisc.edu](mailto:vincevneus@wisc.edu).

## PROGRAM REQUIREMENTS

The CCOR/Women's Health curriculum is comprised of one core/introductory course, elective coursework aligned with the program learning goals, a health research seminar and a final project. The program requirements are flexible in that a student may propose qualifying courses for elective credit. The program may waive requirements for elective coursework based on prior work of the student. Alternate/completed coursework, which meets CCOR/Women's Health learning objectives/knowledge criteria, must be preapproved by program faculty and administrators.

## CORE/INTRODUCTORY COURSE

3 Credits

### **Med Phys 705 Women & Leadership in Science, Health & Engineering**

This fundamental course will review evolving perspectives of leadership and how unconscious assumptions about the behaviors and traits of men, women, and leaders impede women's advancement. The course will emphasize the implications for women in the fields of science, health and engineering and explore the potential impact of basic, clinical, translational, social-behavioral, or health services research contributing to improvements in women's health. The course also provides the opportunity to apply evidence-based perspectives using experiential methods.

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### ELECTIVES

**8 Credits**

Participants must complete at least one course from each CCOR/Women's Health defined area of emphasis comprised of 1) coursework related to women's health/sex and gender differences; 2) quantitative/qualitative methods courses relevant to health outcomes research; and 3) coursework focused on engaging clinical and community stakeholders. The assigned faculty advisor will help students identify additional courses that may qualify for elective credit.

#### **Women's Health and Sex & Gender Differences**

**3 credits**

Choose a course listed below, or with equivalent content, intended to provide a general understanding of theories, approaches, concepts, and current research findings related to women's health and/or sex and gender differences.

Department	Course	Title	Credits
GWS	320	Female Body in the World	3
GWS	522	Psychology of Women & Gender	3
GWS	533	Special Topics in Women and Health	3
GWS	535	Women's Global Health and Human Rights	3
GWS	611	Gender, Science & Technology	3
Med	930	Women's Health in Primary Care	3

#### **Health Outcomes Quantitative/Qualitative Methods**

**3-6 credits**

*Refer to Clinical and Community Outcomes Research electives listing*

#### **Clinical and Community Stakeholder Engagement**

**2 credits**

*Refer to Clinical and Community Outcomes Research electives listing*

### PROJECT

**2 Credits**

In consultation with the assigned faculty advisor, the participant is required to develop a project incorporating the core concepts presented in the learning objectives of the CCOR/Women's Health Program. The purpose of the project is to apply and demonstrate an understanding of translational or outcomes research principles, methods when working with clinical, and community stakeholders. The project will serve as a measure of what the participant has learned.

### SEMINAR

**1 Credit**

Students must participate in the Health Services and Care Research Seminar.

Though not a requisite of the CCOR/Women's Health Program, students are strongly encouraged to consider completing the free online series of courses presented by the NIH Office of Research on Women's Health titled "*The Science of Sex and Gender in Human Health*". The courses are designed for students and faculty in medical, nursing, pharmacy, and other health-related professional schools and programs. Each course in the series may be taken independently of the others. It is not necessary to complete all of the courses in the series to receive credit. Eligible participants who complete all lesson quizzes with a score of at least 70 percent and complete a brief evaluation form for each course may receive continuing medical education (CME) credit or a certificate of attendance. Courses can be accessed at <https://sexandgendercourse.od.nih.gov/>

- Course 1: The Basic Science and the Biological Basis for Sex- and Gender-Related Differences
- Course 2: Sex and Gender Differences in Health and Behavior
- Course 3: The Influence of Sex and Gender on Disease Expression and Treatment