CHS 433
Reproductive Health: Demographic Applications

Fall Quarter 2005
Tuesday
3:00pm – 6:00 pm
Room 51-279 CHS
4 credits

Instructors:

Michael Lu, M.D., MPH
Office hours: By appointment
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Paula Tavrow, PhD
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Special Reader:

Fathima Wakeel
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Course Description:

Understanding reproductive technologies and practices is critical for public health students interested in designing programs to address problems such as unwanted pregnancy, sexually transmitted diseases, teen pregnancy, and inadequate preventive services. This seminar will examine the foundations of reproductive health from a medical perspective with particular attention to implications for public health programs, health services, and policy. Topics to be covered include: the anatomy and physiology of the male and female reproductive health tracts; methods of birth control; medical and surgical abortion; infertility; post-partum depression; preventive health care and quality of care; and the reproductive health issues of teens and LGBT youth.

Knowledge and Skill Objectives:

CHS 433 is designed to provide an extensive overview of various methods and issues related to reproductive health. Upon completion, the student should be able to:

a. Explain the basic anatomy and physiology of the male and female reproductive tracts
b. Describe the major methods of birth control, abortion, and permanent sterilization, and their historical uses and misuses
c. Identify the major techniques available for the treatment of infertility
d. List the indicated services for reproductive preventive health and measures of quality of this care.
e. Explain the reproductive health issues of teens, including pregnancy, childbearing, fatherhood, sexual risk taking behaviors.

Course Requirements:

1. This course has no prerequisites, but it is intended for graduate students only.
2. Students are expected to master the course content through reading, attendance, and participation in weekly meetings.
3. Grading will be determined as follows:

<table>
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<tr>
<th>Requirement</th>
<th>Weight</th>
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<tbody>
<tr>
<td>Midterm (1 hour)</td>
<td>35%</td>
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<tr>
<td>Final (3 hours)</td>
<td>50%</td>
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<tr>
<td>Attendance/ Class Participation</td>
<td>15%</td>
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Readings:

1. There is one required textbook for the course: Robert A. Hatcher et al. (2004). Contraceptive Technology. 18th Revised Edition. Ardent Media, Inc. We recommend you purchase this text from the web (e.g., amazon.com).
2. This will be supplemented with a course reader available at Course Reader Material on 1141 Westwood Blvd. A course website with the readings will also be available.
Class Schedule:

10/4/05  
*Introduction & course overview; Reproductive health history and concepts*

Paula Tavrow  (1 hour)

Anatomy and physiology of human reproduction

Michael Lu  (2 hours)

Readings:
- [Contraceptive Technology](#), Chapter 4
- [Essentials of Anatomy & Physiology](#) 4th edition, Chpt. 20, The Reproductive System (pp. 432-451)

10/11/05  
*Birth Control I: The Pill (combined oral contraceptives); Emergency contraception; Depo-provera, Norplant, Progestin-only pills, Barrier methods, Spermicides, New methods*

Angela Chen  (3 hours)

Readings:
- [Contraceptive Technology](#), Chapters 12, 16, 17, 18, 19, 20
- [Population Reports](#), New Contraceptive Choices, Series M, Number 19

10/18/05  
*Birth Control II: Fertility awareness-based methods, LAM, IUDs, Sterilization*

Angela Chen  (2 hours)

Readings:
- [Contraceptive Technology](#), Chapters 9, 15, 21, 22

*Maternal morbidity and mortality*

Kimberly Gregory  (1 hour)

Readings:
10/25/05  
*Surgical abortion; Medication abortion; Post-abortion care; Complications, myths*

Angela Chen (3 hours)

Readings:
- ? *Contraceptive Technology*, Chapter 28

10/27/05  
**Midterm Review 5-6pm (location to be decided)**

11/1/05  
**MIDTERM** (1 hour)

*Infertility: Overview*

Michael Lu (0.5 hour)

Readings:
- ? *Contraceptive Technology*, Chapter 27

*Assisted reproductive technologies: In vitro fertilization, Artificial insemination, Sperm cryopreservation, Embryo transfer*

Alan DeCherney (1.5 hours)

Readings:

11/8/05  
*Pregnancy, Pre-conceptional, Prenatal, and Internatal Care*

Michael Lu (3 hours)

Readings:
- ? *Contraceptive Technology*, Chapter 25, 26, 23
**Stress and reproductive health**
Michael Lu (1.5 hours)

Readings:

**Improving reproductive health: A life-course approach**
Michael Lu (1 hour)

Readings:

**Review of the Midterm (30 mins.)**

**11/22/05**

*Client/provider relationship; Client satisfaction concepts and measurement*
Paola Tavrow (1 hour)

Readings:
- *Contraceptive Technology*, Chapter 10

*Female circumcision*
Paola Tavrow (1 hour)

Reading:

*Adolescent sexual behavior and HIV/STD risk reduction in developing countries*
Paola Tavrow (1 hour)

Reading:
11/29/05

*Course evaluations (15 min)*

*Adolescent sexual behavior, pregnancy and childbearing; Teen LGBT, Teen risk reduction*

**Colleen Keenan (90 min)**

Readings:
- Contraceptive Technology, Chapter 29

*Caesarian section issues*

**Kimberly Gregory (1 hour)**

Readings:

12/6/05

*Sexually-transmitted diseases (male and female), Sexual dysfunction*

**Anita Nelson (3 hours)**

Readings:
- Contraceptive Technology, Chapters 6, 8

12/8/05

*Final Exam Review 4-6 pm (location to be decided)*

**FINAL EXAM**  Date, time and place to be decided
List of Lecturers

**Angela Chen**, MD, MPH, Assistant Clinical Professor, Ob-Gyn, UCLA School of Medicine

**Alan DeCherney**, MD, Professor, Ob-Gyn, UCLA School of Medicine

**Kimberly Gregory**, MD, MPH, Adjunct Associate Professor In-Residence, Department of Community Health Sciences, UCLA School of Public Health

**Colleen Keenan**, PhD, Vice Chair, Primary Care, UCLA School of Nursing

**Michael Lu**, MD, MPH, Assistant Professor, Community Health Sciences, UCLA School of Public Health and Ob-Gyn, UCLA School of Medicine

**Anita Nelson**, MD, Professor, Ob-Gyn, UCLA School of Medicine

**Paula Tavrow**, PhD, MSc, Visiting Associate Professor, Department of Community Health Sciences, UCLA School of Public Health