



**Maternal, Fetal, & Neonatal Physiology**  
**MEDS 4062 (3 Credit Hours)**  
**(Concurrent with MCP 8062)**  
**Fall Semester**  
**M/W/F 9:05am-10:00pm**  
**LOCATION – MSB 4051**

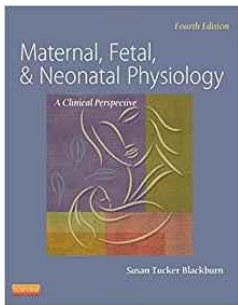
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**COURSE DIRECTOR:**  
Roger T. Worrell, Ph.D.  
[roger.worrell@uc.edu](mailto:roger.worrell@uc.edu)  
MSB 4251 (558-6489)

**COURSE DESCRIPTION**

A rigorous Fall semester course designed for senior undergraduate or graduate students with an interest in human physiology and the medical sciences as pertains to pregnancy, fetal, and neonatal life. This course will continue from the Reproductive Physiology Section of Human Physiology (MEDS3026/MCP7000). Emphasis will be placed on Physiological homeostasis during pregnancy and the early neonatal period in health as well as disruptions found in some disease processes. **Course content will include Maternal Physiological Adaptation, Fetal and Neonatal Physiology of the major organ systems.**

The course will be textbook based and include other text resources available on-line or provided. Assessment will be through written Exams (covering lecture & reading material) and writing assignments. **Pre-Requisite:** To take this course you must have taken the following Course MEDS3026 or MCP7000 Human Physiology min grade B-. Courses with similar content coverage and rigor may be sufficient (e.g., Medical Level Physiology), please contact the course director.



**CORE TEXT BOOK:**  
Maternal, Fetal, & Neonatal Physiology (latest edition)  
Susan Tucker Blackburn  
Hardcover: 768 pages  
(Elsevier)  
ISBN-13: 978-1437716238  
ISBN-10: 1437716237

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***The successful student will be able to:***

1. Describe and explain the adaptations which occur in human maternal physiology during pregnancy.
2. Distinguish and interpret differences in maternal versus fetal physiologic function.
3. Integrate symbiotic physiological function between the mother and fetus.
4. Compare and evaluate normal physiological adaptations and responses at the basic level in the maternal and fetal systems.
5. Describe and explain the adaptations in physiological function between the human fetus and neonate.

Course Schedule is subject to change by the course director as necessary (e.g., Snow Days, etc). Exams are generally scheduled to occur on Fridays.

## **GRADING POLICY:**

**Four exams:** Each Exam is worth 22 points of total grade (88 points combined of total grade)

**Capstone Review Paper Project:** worth 12 points of total grade (12 points combined of total grade)

**Total points = 100**

The course final grade will be determined by the provided grade calculation sheet.

The final letter grade will be awarded based on the table included in the grade calculation sheet. (shown to the right) →

<u>%</u>	<u>Letter</u>	<u>For lecture exams</u>
93-100	A	Very Good! Feel free to
90-92	A-	come see me
87-89	B+	Good! Feel free to
83-86	B	come see me
80-82	B-	Should be concerned,
77-79	C+	could be beneficial
73-76	C	to come see me
70-72	C-	You should come see me
65-69	D	You must come see me
<65	F	

## **Course Policies**

1. The student must complete **all** required assignments and Exams in order to receive a passing grade.
2. Academic Integrity: The University Rules, including the Student Code of Conduct, and other documented policies of the department, college and university related to academic integrity will be enforced. Any violation of these regulations, including acts of plagiarism or cheating, will be dealt with on an individual basis according to the severity of the misconduct: <http://www.uc.edu/studentlife/conduct>
3. Disability: Students with disabilities who need academic accommodations or other specialized services while attending the University of Cincinnati will receive reasonable accommodations to meet their individual needs as well as advocacy assistance on disability-related issues. Students requiring special accommodation must register with the Disability Services Office. <http://www.uc.edu/sas/disability>
4. Course Withdrawal: The University policy on withdrawal from this course will be followed. The process for withdrawal and the policies that govern grading are available at: [http://www.uc.edu/registrar/withdraw\\_reg.html](http://www.uc.edu/registrar/withdraw_reg.html)
5. **Missed examinations:** Examinations can only be made-up upon **prior** (before the examination) approval of the course director.
6. Students should refer to the guidelines in the grade calculation sheet regarding their course grade as it develops. **For MCP8062 a B- grade or higher is required for passing, For MEDS4062 a D grade or higher is required for passing**, although for practical purposes one should have a B- or better.
7. Students are strongly encouraged to meet with the course director if they have any concerns or questions. This is particularly important if grade expectations are not met. [Roger.Worrell@uc.edu](mailto:Roger.Worrell@uc.edu), MSB 4251 (558-6489).
8. No lecture or course material shall be distributed by anyone on servers or sites other than the course blackboard site. To do so is illegal. You may download on your personal system for your use only.

## **Course syllabus and schedule:**

The course syllabus and course schedule are subject to modification at any time by the course director as circumstances may dictate. In this event, students will be notified of the changes prior to their implementation.

## **Counseling Services, Clifton Campus**

Students have access to counseling and mental health care through the University Health Services (UHS), which can provide both psychotherapy and psychiatric services. In addition, Counseling and Psychological Services (CAPS) can provide professional counseling upon request; students may receive five free counseling sessions through CAPS without insurance. Students are encouraged to seek assistance for anxiety, depression, trauma/assault, adjustment to college life, interpersonal/relational difficulty, sexuality, family conflict, grief and loss, disordered eating and body image, alcohol and substance abuse, anger management, identity development and issues related to diversity, concerns associated with sexual orientation and spirituality concerns, as well as any other issue of concerns. After hours, students may call [UHS at 513-556-2564](tel:513-556-2564) or [CAPS Cares at 513-556-0648](tel:513-556-0648). **For urgent physician consultation after-hours students may call 513-584-7777.**

### **Title IX**

Title IX is a federal civil rights law that prohibits discrimination on the basis of your actual or perceived sex, gender, gender identity, gender expression, or sexual orientation. Title IX also covers sexual violence, dating or domestic violence, and stalking. If you disclose a Title IX issue to me, I am required forward that information to the Title IX Office. They will follow up with you about how the University can take steps to address the impact on you and the community and make you aware of your rights and resources. Their priority is to make sure you are safe and successful here. You are not required to talk with the Title IX Office. If you would like to make a report of sex or gender-based discrimination, harassment or violence, or if you would like to know more about your rights and resources on campus, you can consult the website [www.uc.edu/titleix](http://www.uc.edu/titleix) or contact the office at [556-3349](tel:556-3349).