

# GMS 6473 - Spring 2016

## Fundamentals of Physiology & Functional Genomics III

**Course objectives and/or goals:** “Fundamentals of Physiology & Functional Genomics” courses provide exposure to fundamental physiological concepts with emphasis on the impact of functional genomics. The focus is on respiratory, special circulatory and gastrointestinal system, and modern experimental approaches in physiology.

This course is the third of three independent modules (1 credit each, Jan. 5 – Feb. 4, Feb. 9 – March 17, March 22 – April 19). Students may take any combination of the three modules. Each course consists of 3 hours of lecture, paper discussion, and/or team-based learning (TBL) per week during spring semester.

**Schedule:** Tuesday and 4/1 (Fri) at 1:00 to 1:50 PM and 2:00 to 2:50 PM and Thursday at 1:00 to 1:50 PM in room M559 of the Medical Science Building. See the date, time and location of exam.

**Textbook:** E- textbook “Ganong’s Review of Medical Physiology”, 23<sup>rd</sup> edition (2010), which is available through UF Health Science Center library (<http://www.accessmedicine.com/resourceTOC.aspx?resourceID=11>)

**Faculty:** Below is a list of the faculty who will be participating in this course. They can be contacted by e-mail.

|   |                  |
|---|------------------|
| Hideko Kasahara, M.D., Ph.D. (Course Director): | hkasahar@ufl.edu |
| Jaya Kolli, M.D.                                | jkolli@ufl.edu   |
| Karyn Esser, Ph.D.                              | kaesser@ufl.edu  |
| Debbie Scheuer, Ph.D.                           | scheuerd@ufl.edu |
| Bruce R. Stevens, Ph.D                          | stevensb@ufl.edu |
| Charles E. Wood, Ph.D                           | woodc@ufl.edu    |

Shown below is a table displaying the dates, titles and instructors for all of the lectures and discussions for Spring 2016. For course content, registered students should log-in to the Canvas course site at <https://lss.at.ufl.edu>.

| LECTURE | DAY | DATE | ROOM  | TOPIC                               | LECTURER(S) |
|---------|-----|------|-------|-------------------------------------|-------------|
| L19     | Tue | 3/22 | M559  | Renal Physiology – Introduction I   | J. Kolli    |
| L20     | Tue | 3/22 | M559  | Renal Physiology – Introduction II  | J. Kolli    |
| L21     | Thu | 3/24 | M559  | Circadian Rhythm                    | K. Esser    |
| L22     | Tue | 3/29 | M559  | Paper Discussion                    | K. Esser    |
| L23     | Tue | 3/29 | M559  | Autonomic Nervous System I          | D. Scheuer  |
| L24     | Thu | 3/31 | M559  | Autonomic Nervous System II         | D. Scheuer  |
| D11     | Fri | 4/1  | M559  | Paper Discussion                    | D. Scheuer  |
| L25     | Fri | 4/1  | M559  | Long-Term Control of Blood Pressure | C. Wood     |
| L26     | Thu | 4/7  | M559  | Gastrointestinal – Introduction I   | B. Stevens  |
| L27     | Tue | 4/12 | M559  | Gastrointestinal – Introduction II  | B. Stevens  |
| D12     | Tue | 4/12 | M559  | Paper Discussion                    | B. Stevens  |
| Review  | Thu | 4/14 | M559  | Review                              | Faculty     |
| Exam    | Tue | 4/19 | CG-28 | Exam 3 (10:40 AM-1:10 PM)           | H. Kasahara |

**Policy related to class attendance**

Although attendance may not be taken for didactic lectures, attendance is obviously very highly encouraged.

**Policy related to make-up exams or other work**

In appropriate cases, make-up exams and/or written reports will be considered.

**Statement related to accommodations for students with disabilities**

Student disabilities will be accommodated in accordance with UF policy, which is described here:

<http://www.dso.ufl.edu/drc/current.php>.

**Information on UF grading policies for assigning grade points**

The points used to compute final grades will be determined after the exams in each module have been completed. The course final grade is based on the total points accrued over all exams, TBL and performance in discussion group.

**Class demeanor expected by the professor:** Appropriate behavior will be expected and noted by the faculty. Appropriate behavior includes behavior and appropriate interactions respectful of classmates' learning experiences and dignity; attentive behavior in the classroom; respect for, and maintaining the dignity of the faculty.

**UF Academic Honesty Policy:** Students will adhere to the UF general guidelines at:

<https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>

**Contact information for university counseling and mental health services:**

<http://www.dso.ufl.edu/supportservices/campuscounseling.php>

**Methods by which students will be evaluated and their grades determined:**

The students will take a closed-book exam at the end of each module, which will be graded separately.

Participation in the classroom, discussion, and TBL score will be included in the grading. The following shows the tentative weight of each factor in grading:

|               |     |
|---------------|-----|
| Exam          | 80% |
| Participation | 10% |
| TBL           | 10% |

Letter grades will be assigned based on the final score using the following scale:

|    |        |
|----|--------|
| A  | 92-100 |
| A- | 88-91  |
| B+ | 84-87  |
| B  | 80-83  |
| B- | 76-79  |
| C+ | 73-75  |
| C  | 70-72  |
| C- | 66-69  |
| D+ | 63-65  |
| D  | 60-62  |
| E  | <60    |