FN 590B  Obesity: Behavior, Physiology and Policy    Fall 2009

2 credits     Wed   2:30 pm - 4:20 pm, UNIV 103

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<thead>
<tr>
<th>Names</th>
<th>Phone</th>
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<tr>
<td>Dorothy Teegarden</td>
<td>494-8246</td>
<td><a href="mailto:dteegard@purdue.edu">dteegard@purdue.edu</a></td>
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<td>Megan McCrory</td>
<td>494-2631</td>
<td><a href="mailto:mmccror@purdue.edu">mmccror@purdue.edu</a>     (preferred)</td>
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I. Instructors:

II. Purpose:
(1) To provide a foundation in scientific concepts, biochemistry and physiology relevant to obesity.
(2) To explore, in depth, important and current issues in obesity.
(3) To increase skills important to a career in nutrition science, e.g. critical thinking skills, reading and discussing current scientific literature, and scientific debate.

III. Schedule
In the event of a major campus emergency, course requirements, deadlines and grading percentages are subject to changes that may be necessitated by a revised semester calendar or other circumstances beyond the instructor’s control. Ways to get information about changes in this course include first, the course web page (http://www.itap.purdue.edu/tlt/blackboard/index.cfm) or second, the instructors (see contact information above).

Aug 26     Health Implications of Obesity
Dr. M. McCrory
Dept of Foods and Nutrition
Dept of Psychological Sciences
Purdue University

Sept 2     Epidemiology of Obesity
Dr. M. McCrory and students
Dept of Foods and Nutrition
Dept of Psychological Sciences
Purdue University

Sept 9     Fetal Imprinting
Dr. S. Donkin
Dept of Animal Science
Purdue University

Sept 16    Eating Behaviors
Dr. David Mela
Senior Scientist for Weight Control
Unilever Food and Health Research Institute,
The Netherlands

Sept 23    Endocrine
Dr. R. Considine
Division of Endocrinology, Dept of Medicine
Indiana University

Sept 30    Energy expenditure
Dr. W. Campbell
Dept. of Foods and Nutrition
Purdue University
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<tr>
<th>Date</th>
<th>Topic</th>
<th>Speaker, Affiliation</th>
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<tbody>
<tr>
<td>Oct 7</td>
<td>Energy metabolism/Integration</td>
<td>Dr. D. Teegarden&lt;br&gt;Dept of Foods and Nutrition/Animal Science&lt;br&gt;Purdue University</td>
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<td>Oct 14</td>
<td>Neurochemistry</td>
<td>Dr. Swithers&lt;br&gt;Dept of Psychological Sciences&lt;br&gt;Purdue University</td>
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<td>Oct 21</td>
<td>Anthropology</td>
<td>Dr. S. Williams&lt;br&gt;Dept. of Foods and Nutrition&lt;br&gt;Purdue University</td>
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<tr>
<td>Oct 28</td>
<td>Debate: Causes of Obesity</td>
<td>Students</td>
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<td>Nov 4</td>
<td>Role of Industry in Management</td>
<td>Dr. Bruce Daggy, LLC&lt;br&gt;Adjunct Professor&lt;br&gt;Dept of Nutrition, Food and Exercise Sciences&lt;br&gt;Florida State University, and&lt;br&gt;recently retired VP of Weight Control R&amp;D&lt;br&gt;GlaxoSmithKline Consumer Healthcare</td>
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<td>Nov 11</td>
<td>Economics</td>
<td>Dr. Susan Chen&lt;br&gt;Dept of Agricultural Economics&lt;br&gt;Purdue University</td>
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<td>Nov 18</td>
<td>Management</td>
<td>Dr. Stacey Mobley&lt;br&gt;Dept of Foods and Nutrition&lt;br&gt;Purdue University</td>
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<td>Nov 25</td>
<td>Thanksgiving</td>
<td>No class</td>
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<td>Dec 2</td>
<td>Pharmacological and Surgical Management</td>
<td>Dr. R. Considine&lt;br&gt;Division of Endocrinology&lt;br&gt;Dept of Medicine&lt;br&gt;Indiana University</td>
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<td>Dec 9</td>
<td>Debate: Should obese people pay higher medical insurance rates?</td>
<td>Students</td>
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**IV. Skills to be developed in this semester:**
- Read research articles
- Critically evaluate research articles
- Discuss the content of research articles
- Debate issues
V. Evaluation:

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<th>Points</th>
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<tr>
<td>Debate 1</td>
<td>350</td>
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<tr>
<td>Debate 2</td>
<td>350</td>
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<tr>
<td>Class Participation</td>
<td>300</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>1000</strong></td>
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Participation:

Each student will be required to participate in discussions of class material and research articles. While voluntary participation will be appreciated, instructors will call upon students for their answers/insights/opinions. Failure to actively participate will negatively influence your grade. The following guidelines will help you understand the level of participation that is required for each grade level:

- no participation = F
- participation only when called upon
  - response demonstrating a lack of understanding of the material = D
  - response provides only the minimum (correct) information = C
  - response provides insightful or thoughtful information = B
- voluntary participation
  - response provides minimum (correct) information = B
  - response provided insightful or thoughtful information = A

Discussions of articles:

The instructors will select all of the articles utilized in the course. The articles will be distributed to you in advance of the discussion period. All students will be expected to have read the article and be prepared to discuss the article in class. You will be called upon in class to answer questions if you do not participate on your own.
Debate Format

Debate/Discussion #1: What are the primary causes of the obesity epidemic?

Debate/Discussion #2: Should obese people pay higher medical insurance rates?

Introduction:
The intention of this debate is for each group to establish a position, and support that position with selected literature and statistics. It is not intended to be a liturgy on all the information on the topic. Further details will be provided in class.

The Format for the Debate/Discussion will be as follows.

i. Group 1 – Brief overview of issue, key general and specific facts to support the assigned position, results of a key study or two that support position. – 20-25 min

ii. Moderator questions – 10 min

iii. Questions from group 2, everyone – 10-15 min

iv. Short break – 5-10 min

v. Group 2 - Brief overview of issue, key general and specific facts to support the assigned position, results of a key study or two that support position. 20-25 min

vi. Moderator questions – 10 min

vii. Questions from group 1, everyone – 10-15 min

viii. Debate/Discussion Position Synopsis

1. 50 points
2. Due one week prior to the debate
3. 2-3 pages with references
4. Indicate assigned position and key arguments for that position
5. Indicate personal view and key arguments for that position
6. Indicate the influence of the debate/discussion on your personal view and whether that view has changed & why.