FN 590B  Obesity: Behavior, Physiology and Policy

2 credits   Wed  2:30 pm - 4:20 pm
BRNG B260

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<thead>
<tr>
<th>Names</th>
<th>Phone</th>
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<tbody>
<tr>
<td>Dorothy Teegarden</td>
<td>494-8246</td>
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<td>Richard Mattes</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

Aug 22       Epidemiology   Dr. L. Sands
              School of Nursing
              Purdue University

Aug 29       Fetal Imprinting Dr. S. Donkin
              Animal Science
              Purdue University

Sept 5       Neurochemistry   Drs. Powley/Davidson/Kinsig
              Dept of Psychology
              Purdue University

Sept 12      Endocrine       Dr. R. Considine
              Division of Endocrinology, Department of Medicine
              Indiana University

Sept 19      Energy expenditure Dr. W. Campbell
              Dept. of Foods and Nutrition
              Purdue University

Sept 26      Eating Behaviors  Dr. R. Mattes
              Dept. of Foods and Nutrition
              Purdue University

Oct 3        Health Implications of Obesity Dr. C. Boushey
              Dept. of Foods and Nutrition
              Purdue University
<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>Oct 10</td>
<td>Energy metabolism/Integration</td>
<td>Dr. D. Teegarden</td>
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<td>Dept of Foods and Nutrition/Animal Science</td>
<td>Purdue University</td>
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<td>Oct 17</td>
<td>Supersize me……</td>
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<tr>
<td>Oct 24</td>
<td>Causes of Obesity Debate</td>
<td>Students</td>
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<tr>
<td>Oct 31</td>
<td>Economics</td>
<td>Dr. Susan Chen</td>
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<td>Agricultural Economics</td>
<td>Purdue University</td>
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<td>Nov 7</td>
<td>Role of Industry in Management</td>
<td>Dr. Victor Fulgoni</td>
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<td>Nutrition Impact, LLC</td>
<td>LLC</td>
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<td>Nov 14</td>
<td>Management</td>
<td>Dr. Stacey Mobley</td>
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<td>Department of Foods and Nutrition</td>
<td>Purdue University</td>
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<td>Nov 21</td>
<td>Thanksgiving</td>
<td>No class</td>
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<td>Nov. 28</td>
<td>Pharmacological and Surgical Management</td>
<td>Dr. R. Considine</td>
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<td>Division of Endocrinology</td>
<td>Indiana University</td>
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<td>Dec 5</td>
<td>Debate</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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<td>Debate 1</td>
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<td>Debate 2</td>
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<td>Class Participation</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: TBA

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.