

## **FN 590B Obesity: Behavior, Physiology and Policy**

2 credits  
BRNG B260

Wed 2:30 pm - 4:20 pm

	<u>Names</u>	<u>Phone</u>	<u>email</u>
<b>I. Instructors:</b>	Dorothy Teegarden	494-8246	<a href="mailto:dteegard@purdue.edu">dteegard@purdue.edu</a>
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### **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

Oct 10	Energy metabolism/Integration	Dr. D. Teegarden Dept of Foods and Nutrition/Animal Science Purdue University
Oct 17	Supersize me.....	
Oct 24	Causes of Obesity Debate	Students
Oct 31	Economics	Dr. Susan Chen Agricultural Economics Purdue University
Nov 7	Role of Industry in Management	Dr. Victor Fulgoni Nutrition Impact, LLC
Nov 14	Management	Dr. Stacey Mobley Department of Foods and Nutrition Purdue University
Nov 21	Thanksgiving	No class
Nov. 28	Pharmacological and Surgical Management	Dr. R. Considine Division of Endocrinology Department of Medicine Indiana University
Dec 5	Debate	Students

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:

	Points
Debate 1	350
Debate 2	350
Class Participation	300
Total	1000

## 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.