



# WISCONSIN

## UNIVERSITY OF WISCONSIN-MADISON

University of Wisconsin - Madison  
College of Engineering [EGR]  
Last Offered: 2015 Spring [1154]  
Direct Link to this Syllabus :

<http://aefis.engr.wisc.edu/index.cfm/page/CourseAdmin.ViewABET?coursecatalogid=560&pdf=True>

1. **M E 441, Rheology of Foods and Biomaterials**
2. **Credits : 3    Contact Hours : G. Sundaram**

2 cr.

3. **Textbook and Materials : None required**
4. **Specific Course Information :**

- a. **Brief description of the content of the course (Course Catalog Description) :** Fundamentals of rheology and rheological evaluations of food and biomaterials; structure-function relationships.
- b. **Pre-requisites or Co-requisites :** Physics 201 or CBE 320 or ME 363 or cons inst
- c. a. **Catalog description: Fundamentals of rheology and rheological evaluations of food and biomaterials; structure-function relationships.**

b. **prerequisites or co-requisites: Phys 201 or CBE 320 or ME 363 or Cons. Instr.**

c. **Course is a technical elective**

- **Specific Goals for the Course :**

- a. **Course Outcomes :**
- b. **ABET Student Learning Outcomes :**

(e) Ability to identify, formulate and solve engineering problems.

(f) Understanding of professional and ethical responsibility.

(h) The broad education necessary to understand the impact of engineering solutions in a global and societal context.

(i) Recognition of the need for and an ability to engage in life-long learning.

(j) Knowledge of contemporary issues.

(k) Ability to use the techniques, skills and modern engineering tools necessary for engineering practice.