



# WISCONSIN

## UNIVERSITY OF WISCONSIN-MADISON

University of Wisconsin - Madison

College of Engineering [EGR]

Last Offered: 2014 Fall [1152]

Direct Link to this Syllabus :

<http://aefis.engr.wisc.edu/index.cfm/page/CourseAdmin.ViewABET?coursecatalogid=13&pdf=True>

1. **E P D 374, Intermediate Technical Japanese I**

2. **Credits : 3    Contact Hours : 35.0**

3. **Textbook and Materials :** Intermediate Technical Japanese, Vol. 2: Glossary; J. L. Davis; 1st edition; No Year Given

Shogakukan Progressive Japanese-English Dictionary; I. Kondo and F. Takano; 1st edition; No Year Given

The New Nelson Japanese-English Character Dictionary; J. H. Haig; 1st edition; No Year Given

The Modern Reader's Japanese-English Character Dictionary; A. N. Nelson; 1st edition; No Year Given

Intermediate Technical Japanese, Vol. 1: Readings and Grammatical Patterns; J. L. Davis; 1st edition; No Year Given

Intermediate Technical Japanese, Vol. 2: Glossary; J. L. Davis; 1st edition; No Year Given

Shogakukan Progressive Japanese-English Dictionary; I. Kondo and F. Takano; 1st edition; No Year Given

The New Nelson Japanese-English Character Dictionary; J. H. Haig; 1st edition; No Year Given

The Modern Reader's Japanese-English Character Dictionary; A. N. Nelson; 1st edition; No Year Given

Intermediate Technical Japanese, Vol. 1: Readings and Grammatical Patterns; J. L. Davis; 1st edition; No Year Given

a. **Other Supplemental Materials :**

1a. The Modern Reader's Japanese-English Character Dictionary

A. N. Nelson

Tuttle

or

1b. The New Nelson Japanese-English Character Dictionary

J. H. Haig

Tuttle

2. Shogakukan Progressive Japanese-English Dictionary

I. Kondo and F. Takano

Shogakukan

• **Specific Course Information :**

- a. **Brief description of the content of the course (Course Catalog Description) :** Fundamentals of Japanese grammar and the most frequent 300 Kanji in the physical sciences; reading, comprehending and translating Japanese scientific texts.
- b. **Pre-requisites or Co-requisites :** E Asian 203 or cons inst. Does not satisfy L&S language or major requirement
- c. **This is a Required course.**

- **Specific Goals for the Course :**

- a. **Course Outcomes :**

1. Recognize and understand a large number of Japanese scientific and technical terms
2. Recognize and understand a wide range of Japanese verb forms and sentence patterns
3. Read sentences on scientific and technical topics in Japanese
4. Read essays on scientific and technical topics in Japanese

- **ABET Student Learning Outcomes :**

(g) Ability to communicate effectively.

- **Brief List of Topics to be Covered :**

Lesson 0: Review of Verbs and Verb Forms

Lesson 1: Mathematics I (numbers and sets)

Lesson 2: Mathematics II (matrices, variables and functions)

Lesson 3: Mathematics III (solutions, statistics and models)

Lesson 4: Computer Science I (fundamentals; part I)

Lesson 5: Computer Science II (fundamentals; part II)

Lesson 6: Computer Science III (applications; part I)

Lesson 7: Computer Science IV (applications; part II)

Lesson 8: Mechanics I (pressure and vacuum)

Lesson 9: Mechanics II (motion and flow)

Lesson 10: Thermodynamics I (fundamentals)

Lesson 11: Thermodynamics II (applications)

Lesson 12: Light I (fundamentals)

Lesson 13: Light II (wave properties)

Note: All essays are written in Japanese.