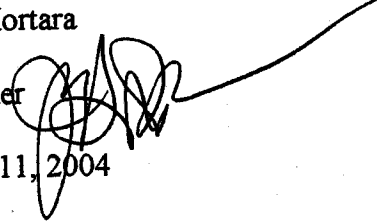




Florida Institute of Technology

Humanities and Communication Department

TO: Antionet Mortara
FROM: Judy Strother 
DATE: November 11, 2004
SUBJECT: Creation of a bi-level course for HUM 4510 and HUM 5510

The Humanities and Communication Department requests approval of HUM 4510 and HUM 5510 Recent Issues in Logic as a bi-level course under the conditions of Section 4.5.3 of the Graduate Policy Manual. This course is deemed by the Department "to be equally appropriate at either the undergraduate or the graduate level, and hence suitable for enrollment by undergraduates regardless of grade point average, subject only to the usual prerequisites and similar requirements, including 'permission of the instructor.'"

The assignments and depth of analysis will be different for undergraduate and graduate students, as reflected in the attached syllabi. Dr. Aberdein has also assured me that the examinations will require greater depth of understanding of the graduate students.

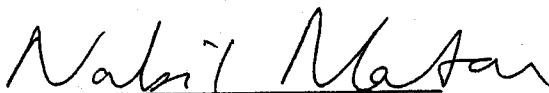
Even with the noted differences, in no way will it be detrimental to graduate students to have suitable undergraduate students in the course, nor will the content be over the heads of the undergraduate students.

Any undergraduate student who takes this course and then seeks a Master's Degree from Florida Tech will not be allowed to repeat this course for credit toward the graduate degree.

Approved:



Andrew Aberdein, Course Originator



Nabil Matar, Head, Department of Humanities and Communication

Original Signed by T. Oswaldt

Gordon Nelson, Dean, College of Science and Liberal Arts

This course is available for student registration only after the approval process has been completed.

Subject HUM Course No. 4510 Credit Hours 3 Term to be added to the file Fall 2005
Alpha Prefix (e.g., CSE) Number Choice (e.g., 1301) (e.g., Fall 2003)

Class Hours 3 Lecture Hours 3 Lab Hours _____ Contact Hours (CEU only) _____

Department Humanities and Communication Schedule Type Lecture
(e.g., Computer Sciences) (e.g., lecture, lab or special project)

College/School College of Engineering-01 School of Aeronautics-03 SEGS-90
(Please check appropriate box) College of Science and Liberal Arts (science)-20 School of Management-22
 College of Science and Liberal Arts (liberal arts)-21 School of Psychology-05

Computer Title (restricted to 25 spaces, including blanks) Recent Issues in Logic

Catalog Title Recent Issues in Logic

Catalog Description of Course (limited to 350 characters, including spaces)

Introduces the many competing systems of logic recently developed and advocated. Also addresses the debate inspired by logical pluralism.

In addition, you may attach a course syllabus and/or more detailed description.

Restrictions Prerequisite HUM 2510 or Corequisite _____ Grades to be issued
(course number) (course number) A, B, C, D, F
 Prerequisite ECE 1551 Corequisite _____ S, U
(course number) (course number) P, F
 Prerequisite _____ Corequisite _____ Other _____
(course number) (course number)

Additional Restriction or permission of the instructor
(e.g., major, class level, department head approval)

If this course replaces a course currently offered in BANNER, please indicate old course information

Subject Alpha Prefix (e.g., CSE) Course No. (e.g., 1301)

APPROVALS

Upon completion of appropriate department approvals, submit form to Chair, Graduate Council, or Chair, Undergraduate Curriculum Committee for approval below and forward to Catalog Coordinator.

[Signature] 9 Feb. '05 _____
Originator Date Chair, Graduate Council Date

N. Martin 9 Feb. 2005 _____
Department Head/Program Chair OR

[Signature] Feb. 14, 2005 _____
Dean of Associate Dean Date Chair, Undergraduate Curriculum Committee Date

CATALOG COORDINATOR

REGISTRAR'S USE ONLY

Catalog Coordinator Date

SCARSR _____ SCADETL _____ SCAPREQ _____ SCABASE _____
 SCARRS _____ Operator Init _____ Date _____

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DRAFT

HUM 4510: Recent Issues in Logic

Andrew Aberdein
aberdein@fit.edu
Office: Grissom (West) 203
674 8368

Office Hours: 12.30–2pm Tuesday & Thursday; 3.30–4.30pm Tuesday

November 11, 2004

Class Time

5–6.15pm Tuesday & Thursday

Course Description

Introduces the many competing systems of logic recently developed and advocated. Also addresses the debate inspired by logical pluralism.

Required Text

Graham Priest *An Introduction to Non-Classical Logic*
(Cambridge, 2001) 264pp \$20.00 ISBN: 052179434X

Recommended Text

Lou Goble *The Blackwell Guide to Philosophical Logic*
(Blackwell, 2001) 520pp \$34.95 ISBN: 0631206930

Grading

As usual, 90%+ = A; 80–89% = B; 70–79% = C; 60–69% = D; 0–59% = F.

1. First Midterm Exam (Sixth Week);
2. Second Midterm Exam (Eleventh Week);
3. Final Exam (Time TBA)—the date of this exam has already been fixed and cannot be changed;
4. Your five best quiz marks;

will each contribute one quarter to the overall grade.

Course Outline

1 WEEKS 1–3: Refresher on propositional and first order classical logic

READ: Priest, Chp 1
(Supplemental: Goble, Chp 1)

2 WEEKS 4–6: Modal logics

READ: Priest, Chp 2, 3, & 4
(Supplemental: Goble, Chp 7)

3 WEEKS 7–8: Intuitionistic logic

READ: Priest, Chp 6
(Supplemental: Goble, Chp 11)

4 WEEKS 9–11: Many-valued and fuzzy logics

READ: Priest, Chp 7 & 11
(Supplemental: Goble, Chp 14)

5 WEEKS 12–14: Paraconsistent and relevant logics

READ: Priest, Chp 8, 9 & 10
(Supplemental: Goble, Chp 13)

6 WEEKS 15–16: Quantum and Non-monotonic logics

READ: Handout
(Supplemental: Goble, Chp 15)