

College of Liberal Arts and Sciences
Committee on Curricula and Courses
Minutes of the meeting of 12 September 2006
[Approved 10 October 2006]

Chair John Manning called the meeting to order in Room 162 of the Thomas Dodd Research Center at 3:30 p.m.

Present: Buck, Ross (COMS); Caner, Dan (HIST); Clark, Austen (PHIL); Cromley, Robert (GEOG); Dudas, Jeff (POLS); Fairbanks, Hap (ENGL); Gajewski, Jon (LING); Gallo, Bob (PNB); Goldman, Jane (HDFS); Hamilton, Doug (Assoc. Dean, CLAS); Henning, Robert (PSYC); Langlois, Dick (ECON); Leibowitz, Gerald, (MATH); McComiskey, Marita (WS); Michel, Bob (CHEM); Noll, Ken (MCB); Rawitscher, George (PHYS); Rockwell, Richard (SOCI); Travis, Roger (MCL); Worcester, Wayne (JOUR).

1. PRELIMINARIES

- a. Hap Fairbanks was appointed secretary for this meeting.
- b. The Chair announced that the minutes of the 11 April 2006 meeting had been approved by electronic ballot August 16, 2006.
- c. Report of course approvals by chair during the interval: none.
- d. Chair's report:
 - i. The Chair approved minor wording changes in course descriptions of Psychology courses over the summer.
 - ii. Departmental proposals should reach the Chair at a week before the meeting at which they are to be considered; this advice has been added to the C&C website.
 - iii. At the spring meeting of the CLAS faculty the Chair summarized the 2005-6 activities of this Committee.

2. OLD BUSINESS

- a. **BS Degree: Report of summer meetings of the subcommittee by Prof. Michel:** (See Appendix).
- b. **Report of W subcommittee by Prof. Henning:** The committee is currently without a Chair. Henning will convene the committee. Hamilton will serve on the committee but not as Chair. Members of the CLAS CC&C should notify Chairman Manning of problems with W courses.

3. NEW BUSINESS

a. **Interdepartmental & Interdisciplinary.** Chairman Manning announced the formation of a new Interdepartmental Courses & Curricula Committee under the authority of the Provost and outside the jurisdiction of present schools or colleges to encourage and evaluate interdisciplinary and interdepartmental curriculum. The CLAS CC&C should be alert for implications for our committee. Prof. Rockwell, who serves on both committees, stated that the purpose of the new committee was to provide a review process like that of the CLAS CC&C for courses and programs that do not fall within an existing college.

b. Departmental Course Proposals:

2006 - 78 Change: Coastal Studies major. Postponed owing to absence of departmental representative.

2006 - 79 Change: PSYC 309. Approved as amended.

Approved Catalog Copy:

PSYC 309. Health Psychology

3 credits. Lecture. Prerequisite: Consent of the instructor or at least one of PSYC 303, PSYC 313, PSYC 325, PSYC 336, PSYC 348, or PSYC 367.

Interaction of biological, psychological, and social factors in health. Topics include disease prevention and health promotion, psychosocial factors in treatment of illness, and stress and coping processes.

2006 - 80 Change: MARN 296. Postponed.

2006 - 81 Add: MARN 295W. Postponed.

2006 - 82 Add: MARN 333. Postponed.

2006 - 83 Add: MARN 267. Postponed.

2006 - 84 Change: MARN 212C. Postponed.

2006 - 85 Change: PNB 264-265. Postponed.

2006 - 86 Change: PNB 274-275. Postponed.

2006 - 87 Change: PHYS 328 & 329. Approved.

Approved catalog copy:

PHYS 328. Condensed Matter Physics I

3 credits. Lecture. Prerequisite PHYS 323, or consent of the instructor.

Theory of metals, crystal structures, point and space groups, electrons in solids, band structure, conduction in metals, phonons, magnetism, elements of superconductivity, and other modern topics in condensed matter.

PHYS 329. Condensed Matter Physics II

3 credits. Lecture. Prerequisite PHYS 328.

Density functional theory, Green's functions, strongly correlated systems, Hubbard and Anderson models, itinerant and localized magnetism, quantum Hall effect, superconductivity, renormalization group theory, the theory of liquids and liquid crystals.

2006 - 88 Change: the PHYS Minor. Approved as amended.

Approved catalog copy:

Physics

Although this minor is particularly suitable for students in the physical or life sciences as well as in engineering, it will also serve other students who have the appropriate lower division calculus-based physics preparation. The minor introduces the students to the core concepts in mechanics, electricity and magnetism, thermal physics, and quantum physics, and provides further opportunities to study laser physics, optics, nuclear and particle physics, and astrophysics. The minor requires a minimum of fifteen credits of 200 level course work.

Course Requirements

A minimum of fifteen credits, of which nine are from part (a) and six from part (b) below.

(a) At least one course from each of the three groups below:

Group one:

PHYS 230Q

Group two:

Either Phys 209 or two additional courses: one from either Phys 242 or ME 214 and one from either Phys 255 or ECE 205

Group three:

Phys 210 or both PHYS 271 and Phys 261

(b) Two or more elective courses (at least six credits) from any of the PHYS 200's courses other than the ones already taken above, with no more than three credits from each of PHYS 291, PHYS 292W and PHYS 299.

The minor is offered by the Physics Department.

2006 - 89 Change: the COGS Major. Postponed.

4. Meeting adjourned at 4.45 pm.

Submitted by Harris Fairbanks, Secretary pro tem.