



EDUCATIONAL POLICY COMMITTEE

Approved by mail ballot

MINUTES OF MEETING: March 7, 2011

PRESENT: T. Bell, M. Clark, M. Garcia, M. Germano, A. Gonzalez, M. Leung, J. Moss, D. Pitt, P. Rosenthal, E. Porter, D. Weaver, S. Wells

1. **Call to Order**

M. Garcia, Chair, called the meeting to order.

2. **Announcements**

2.1 A. Gonzalez reported that there will be a roll-out of the new E-Catalog sometime in the next few weeks.

2.2 M. Garcia read a memo from the General Education Subcommittee regarding Honors College representation on senate committees.

3. **Intent to Raise Questions**

None.

4. **Liaison Reports**

Ad hoc Transition to Higher Education

M. Clark reported that the ad hoc committee completed its charge and will recommend a restructuring of the 301 courses.

Academic Information Resource Subcommittee

M. Germano reported that they discussed technology support and the ELPS program.

Academic Advisement Subcommittee

M. Leung reported that AAS discussed the membership to the AAMG Advisement Council.

5. **Approval of the Agenda**

M/s/p to approve as amended, the minutes will reflect the order in which the items were discussed.

6. **Approval of the Minutes**

M/s/p to approve.

7. **Curricular Items**

7.1 **Actions Reported by the Executive Secretary**

M/s/p to reflect in the minutes.

7.2 **Suspension of the MS in Criminal Justice, EPC 10-19**

J. Peterson was a time certain guest to discuss this proposal. The following action was taken:

M/s/p to inform the Provost that EPC has no objections to this proposal.

8. **Honors College Curriculum Review Process**

No new information.

9. **Courses Offered through Distance Learning, EPC 10-15**

The Committee continued its review of the document, the following action was taken:

M/s/p to approve the revised document.

10. **Credit for Formal Instruction, EPC 10-18**

M. Garcia will draft a revised document for the next meeting.

11. **Inclusion of Learning Outcomes in Course Descriptions**

P. Rosenthal provided background on this item.

M/s to refer this item to the Curriculum Subcommittee

Discussion of this item will continue at the next meeting.

ACTIONS REPORTED BY THE EXECUTIVE SECRETARY

Program Modifications

MS Public Administration

Change in admission criteria.

MS Physics

Change in admission criteria.

New Courses

BINF 400 Bioinformatics and Computational Biology (4) (also listed as CHEM 434)

Prerequisites: Grade of C or higher in BIOL 100A and CS 201; upper division or graduate level standing.

Theory and application of software programs that analyze genes and proteins; creation of programs designed to search databases and align sequences.

BINF 401 Machine Learning Applications in Molecular Life Sciences (2)

Prerequisites: BINF 400, BIOL 100B, CS 202, BIOL 300 (or EE 242 or Math 270 or ECON 309 or Math 474)

Introduction to tools that mine data from molecular life science databases. Strategies for parameter selection. Analysis of machine learning programs to create algorithms. Statistical measurements of algorithm accuracy through cross-validation.

BINF 402 Phylogenomics (2)

Prerequisites: BINF 400, BIOL 100B, CS 202, BIOL 300 (or EE 242 or Math 270 or ECON 309 or Math 474) Upper division status and permission of instructor. Fundamentals of phylogenetics and tools for large-scale phylogenomic analyses. Interpretation of gene and species trees, selection of evolutionary models, implementation of phylogenetic analyses, interpretation of support statistics, and hypothesis testing.

BINF 403 Process Estimation and Detection in Cellular Biology (2)

Prerequisites: BINF 400, BIOL 100B, CS 202, BIOL 300 (or EE 242 or Math 270, or ECON 309 or Math 474)

Mathematical methods to model cellular processes. Theory of machine learning stochastic processes, probabilistic automata and hidden Markov models with applications in protein classification, gene searching and gene classification.

BINF 450 Advanced Topics in Bioinformatics and Computational Biology (2)

Prerequisite: BOMF 402 or BINF 403. Review of current advances in bioinformatics and computational biology.

Recitation-Laboratory 6 hours.

CHDV 344 Family Resource Management (4)

Effective management of human, economic, and environmental family resources. The impact of life events including aging, women's employment, children, and divorce/widowhood on family resources.

CHDV 444 Family Life Education Methodology and Professionalism (4)

Prerequisite HHS 400 or EDFN 452. Principles of family life education in conjunction with the ability to plan, implement, and evaluate family life education programs. Skills, professionalism, and ethics of family life education.

GEOL 160 Geology Field Experience (2)

Prerequisite: GEOL 150. Field trip-based course designed to introduce students to the many facets of California geology, including faults, volcanoes, earthquakes, mountain building and tectonics. Job and research opportunities will also be presented. Lecture 1 hour, laboratory 3 hours.

Course Modifications

CHDV 424, Relationship Dissolution, Stepfamilies and Children (4)

Change in course title, catalog description, and course content.

CHDV 433 Approaches to Parent Education (4)

Change in prerequisites/corequisites, course description, and course content.

CHDV 495 Directed Field Experience (4)

Change in units.

CHEM 434 Bioinformatics and Computational Biology (4) (Also Listed as BINF 400)

Change in title, and prerequisites/corequisites.

Course Deletions

CHDV 431 Family Dynamics and Parenting (4)

CHDV 432 Social Dynamics of Parenting (4)

CHDV 434 Parenting in High Risk Situations (4)

CHDV 441 Men, Women and Children in Transition (4)