

MINUTES

Meeting of the LAS Curriculum and Requirements Committee

March 22, 1972

Members in attendance: Dean Ballantyne (Chairman); Profs. Blade, Busey, McKay, Scott; Messrs. Johnson, Mason.

Motions

1. Prof. Busey moved to approve the minutes of the March 16 meeting, as amended.
Seconded by Mr. Johnson. Passed.
2. The motion to determine a procedure for granting a foreign language waiver was again tabled.
3. Prof. Scott moved to approve the proposed Anthropology 333 (3) Course Outline: Southwestern Indians, Past and Present.
Seconded by Prof. Blade. Passed.
4. Prof. Busey moved to approve the proposed Chemistry 487 (3) Course Outline: Theory and Applications of Nuclear Magnetic Resonance Spectroscopy; to approve changing Chemistry 302: Environmental Chemistry, to a three hour course; and to approve the withdrawal of Chemistry 121 from the curriculum.
Seconded by Prof. Blade. Passed.
5. Prof. Blade moved to approve the proposed program for the B.A. in Sociology, as submitted by Prof. B. Lorch. (Attached)
Seconded by Prof. Scott. Passed.
6. Prof. Scott moved to approve the following changes in Sociology course titles:
 - Soc. 316 from History of Social Thought II to Modern Sociological Theory.
 - Soc. 440 from Sociology of Adolescence to Adolescence and the Family.
 - Soc. 419 from Social Disorganization to Social Disorganization and Deviant Behavior.
 - Soc. 490 from Senior Seminar to Sociology Seminar.Seconded by Mr. Johnson. Passed.
7. Prof. Blade moved to approve a change in the course number of Soc. 246 (Social Psychology) to Soc. 346.
Seconded by Prof. McKay. Passed.
8. Prof. Blade moved to approve the addition of Soc. 491 (3): Practicum in the Principles of Sociology, as a new course on the curriculum.
Seconded by Prof. Busey. Passed.
9. Prof. Blade moved to table considerations on the Life Chemistry Major pending its re-submission to the committee according to the CCHE format.
Seconded by Mr. Johnson. Motion to table passed.

10. Prof. Blade moved to recommend to Prof. Tregarthen that the following statements in his proposal for individually designed programs be excluded:

Paragraph 3, last line: "The program may include up to fifteen credit hours of independent study done under the direction of the committee." and: Paragraph 5, first sentence: "Students working on individually structured programs are not subject to any course requirements other than those developed for their individual programs."

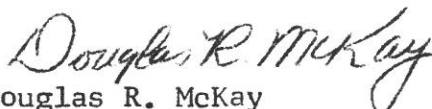
He further moved to recommend that the Self-initiated study program be re-submitted to the committee according to the CCHE format. Seconded by Mr. Johnson. Passed.

11. Prof. Busey moved to recommend to the Humanities committee to consider increasing the number of minimum hours from 33 to a higher number. Seconded by Prof. Blade. Passed.
12. Prof. Busey moved to recommend that the proposal for the Bachelor of Arts in Humanistic Studies be re-submitted to the committee according to the CCHE format. Seconded by Prof. McKay. Passed.
13. Prof. Busey moved to table the proposal for an Interdisciplinary Program in Behavioral Sciences Master's degree. Seconded by Mr. Johnson. Motion to table passed.

It was agreed that the next committee meeting would convene at 8:30 a.m., Tuesday, April 4.

The meeting was adjourned at 10:00 a.m.

Respectfully submitted,



Douglas R. McKay
Committee Secretary

MINUTES

Meeting of the LAS Curriculum and Requirements Committee

March 16, 1972

Members in attendance: Dean Ballantyne (Chairman); Profs. Blade, Busey, McKay, and Scott; Mr. Johnson, Mr. Mason.

The meeting was convened at 8:45 a.m.

Motions

1. Prof. Blade moved to approve the minutes of the March 2 and March 9 meetings, as amended.
Seconded by Prof. Busey. Passed.
2. Prof. McKay moved that Spanish 420 be changed from three credit hours to 1-3 variable credit hours, and that Spanish 460 (Spanish Authors) and Spanish 461 (Spanish American Authors) be approved as new courses on the curriculum offering 1-3 hours variable credit on a repetitive basis.
Seconded by Prof. Scott. Passed.
3. Prof. Busey moved that we accept for the time being the Boulder A&S decision regarding the CLEP (College Level Examination Program) procedure, withholding further action until such time that the entire faculty may discuss ^{and} the vote on the matter.
Seconded by Prof. Blade. Passed.
4. Prof. Busey moved to approve Prof. Blade's proposal for a Mathematics-Education Center and to forward said proposal to the Curriculum and Goals Committee for further action.
Seconded by Prof. McKay. Passed.
5. Mr. Johnson moved that Profs. Beyer, Null, Tregarthen, and Sherman be asked to serve on an Environmental Studies Committee, charged with the responsibility of submitting, in accordance with the CCHE format, a recommended program to the LAS Curriculum and Requirements Committee for further consideration before said recommendation be referred to the Curriculum and Goals Committee.
Seconded by Busey. Passed.
6. Prof. McKay moved that the present foreign language entrance requirement be abolished.
Seconded by Prof. Busey. Passed.
7. Prof. McKay moved that the present foreign language graduation requirement be modified to read as follows: THE FOREIGN LANGUAGE REQUIREMENT IS SATISFIED BY DEMONSTRATION OF 300-LEVEL PROFICIENCY BY EXAMINATION.
Seconded by Mr. Johnson. Passed.
8. Prof. Busey moved to table a recommendation that a committee be appointed to decide on all matters pertaining to a foreign language waiver. The table motion was seconded by Prof. Scott. Passed.

The meeting was adjourned at 10:00 a.m.

MINUTES

CLAS Curriculum and Requirements Committee Meeting of

~~Tuesday~~
Thursday
Tuesday, March 9, 1972

Members present: Dean Ballantyne (Chairman); Profs.
Blade, Busey, McKay, Scott; Mr. Mason

The meeting convened at 8:30 a.m.

Motions

1. Prof. Blade moved to approve a cross listing of the following business courses for the benefit of upper division majors:

<u>Business No.</u>	<u>Proposed MaSc No.</u>	<u>Course Title</u>
Stat 470	MaSc 380	Intro to Statistics
Stat 490	MaSc 382	Intro to Operations Research
MgSc 625	MaSc 530	Computer Modeling
MgSc 635	MaSc 582	Math Programming

The motion was seconded by Prof. Busey and was passed unanimously

2. Prof. Scott moved that English 497 (Topics) and English 498 (Major Authors) be made repetitive for credit. Prof. Busey seconded. Passed unanimously.
3. Prof. Blade moved to approve all new and revised courses submitted previously to the Committee on Course Outlines, namely:
Chem 121-4 General Chemistry for social science and humanities students.
Chem 131-1 An introductory general chemistry course for those taking Biology 101 and for those with little chemistry background.
Chem 302-4 Environmental Chemistry
Chem 385-3 Chemical Evolution
Econ 391-3 Environmental Economics
Span 323-3 Mexico-Southwest Cultural Studies
Span 324-3 Andean Culture Studies

The motion was seconded by Prof. Busey. Passed unanimously.
4. Prof. Busey moved that the Faculty of Political Science be permitted to draw from the CU Boulder catalog listing a number of courses which are appropriate to our more limited faculty but adequate for the achievement of a B.A. degree in Political Science. Seconded by Prof. Scott. Passed unanimously.

5. Prof. Busey moved that the faculty be permitted to utilize course-numbers which are identical to those assigned to corresponding courses in Boulder, but with deviations from Boulder course-names. Seconded by Prof. Blade. Passed unanimously.

6. Prof. Busey moved ^{as previously approved} to adopt the following deviations in title from the Boulder catalog:

(a) that all courses in foreign government be called
----- Political Systems;

(b) that Political Science 406, presently called State Government and Administration, now be called State Political Systems;

that Political Science 430, presently called Public Personnel Administration, now be called The Bureaucrats;
that Political Science 435, presently called Natural Resources: Policy and Administration, now be called Environmental Policies and Administration;

that Political Science 447, presently called Constitutional Law I (at Cragmor, called Introduction to Constitutional Law since 1968), now be called Introduction to Constitutional Issues;

(c) that the Political Science faculty be permitted to increase Political Science 412-2 to three credit hours, and Political Science 421-3 to five credit hours.

Motion seconded by Prof. Scott. Passed unanimously.

7. Prof. Busey moved to change the requirements for the major in Political Science as follows: "Students majoring in the field must complete a minimum of 36 hours in political science, including Pol. Sci. 100 and 110 or equivalent freshman courses with approval. At least 21 semester hours must be in upper division courses in political science."

Seconded by Prof. Blade. Passed unanimously.

8. Prof. Blade moved to add a statement in the Bulletin ^{outside the College} following the phrase "~~at least 16 semester hours of these~~ ^{must be in upper division courses,}" to the effect that this requirement may be waived or exceeded by permission of the Dean or at the discretion of the Committee on Academic Progress.

of L.A.s will
be accepted

Seconded by Prof. Scott. Passed unanimously.


9. Prof. Busey moved that the Dean represent the CLAS Curriculum and Requirement Committee in reminding the Admissions Officer that henceforth all foreign

language entrance and/or graduation requirement waivers will be determined by the College of Letters, Arts & Sciences.

Seconded by Prof. Scott. Passed unanimously.

The meeting was adjourned at 10:00 a.m.

Respectfully submitted,


Douglas R. McKay
Committee Secretary

MINUTES

CLAS Curriculum and Requirements Committee meeting
of Thursday, March 2, 1972

Members present: Dean Ballantyne (Chairman);
Profs. Blade, Busey, McKay, Scott; Mr. D. Johnson.

The meeting was convened at 10:00 a.m.

Motions

1. Professor Blade moved that the Committee approve the entire curriculum as proposed by the Faculty of Math Science (Curriculum offerings attached).

Professor Busey seconded. Approved unanimously.

2. Professor McKay moved that the Committee grant temporary approval for the inclusion of Spanish 460 (Spanish Authors) with variable credit 1-3 on the Spanish curriculum, thereby permitting the adoption of this course on the Summer 1972 program.

Professor Blade seconded. Approved unanimously.

Other Business

1. Professor McKay was appointed Secretary for the CLAS Curriculum and Requirements Committee.
2. It was decided that the next Committee meeting would convene at 8:30 a.m., Thursday, March 9, 1972

The meeting was adjourned at 11:00 a.m.

Respectfully submitted,

Douglas R. McKay

Douglas R. McKay
Committee Secretary

- MaSc 103-3. The Structure of the Number System. Arithmetic of the natural numbers, integers, rational and real numbers, numerals, and systems of notation. Fractions, decimals, percentages. Carries credit only for elementary majors for B.S. in Education.
- MaSc 110-3. Trigonometry. For pre-calculus students and others needing trigonometry. Includes complex numbers.
- MaSc 111-3. Topics in Linear Algebra. Systems of linear equations, matrix algebra, determinants, characteristic values and vectors.
- MaSc 112-3. Introduction to Calculus. Calculus for the business and social science student. Students may not receive credit for both Math Science 112 and Math Science 151.
- MaSc 141-3. Classical Physics. Survey of topics classical physics with emphasis on applications. Includes fluid motion, sound acoustics, heat, electricity, and optics. Prerequisite: 1½ years high school algebra.
- MaSc 142-3. Atomic and Nuclear Physics. Elementary theory and applications of quantum mechanics and statistical mechanics to atomic and nuclear structure and behavior. Includes the theory of atomic structure and the periodic table, thermal excitations, atomic spectra, ionic and covalent bonding, conjugated hydrocarbon molecules, chemical reaction rates, conductors and semiconductors, semiconductor devices, magnetic and optical properties of solids, the electromagnetic spectrum, nuclear structure, radioactivity, fission and fusion, and fundamental particles. Prerequisite: MaSc 141.
- MaSc 151-3. Calculus I. Calculus for the engineering, science and mathematics student. Students may not receive credit for MaSc 112 and MaSc 151.
- MaSc 152-3. Calculus II. Prerequisite: MaSc 151 or consent of department.
- MaSc 161-1. Optics and Electricity Laboratory. Theory and construction of optical and electronic instruments. Includes photography, projectors, telescopes, microscopes, electrical meters, DC circuits, AC circuits, photo cell devices, timing devices, use of the oscilloscope, power supplies, and simple transistor amplifiers. Prerequisite or corequisite: MaSc 141.
- MaSc 162-1. Atomic and Nuclear Physics Laboratory. Rigorous experimental techniques and statistical analysis of empirical data in atomic and nuclear physics. Includes atomic spectra, analysis of bubble chamber tracks, nuclear radiation detectors and energy analysis of gamma rays, Hall effect in semiconductors, nuclear magnetic resonance, and simple computer programming. Prerequisite or corequisite: MaSc 142.
- MaSc 163-1. Electronics Laboratory. Continuation of MaSc 161. Includes multi-stage transistor amplifiers, oscillators, pulse generators, analog computer, power amplifiers, special projects. Prerequisite: MaSc 161.
- MaSc 251-3. Calculus and Analytical Mechanics. Vector algebra and calculus with applications to kinematics of bodies with constant acceleration. Linear differential equations with constant coefficients and applications to simple harmonic motion. Partial derivatives, line

- nitegrals, and applications to work and potential energy. Conservation of energy and momentum. Multiple integrals, centers of mass, and moments of inertia. Infinite series. Prerequisite: MaSc
- MaSc 252-3. Introduction to Differential Equations. First order ordinary differential equations, linear algebra and linear differential equations, series solutions.
- MaSc 253-3. Vector Analysis and Electromagnetism. Vector algebra including dyadics. Del operator and integral theorems (including generalized integral theorems). Use of Gauss' theorem in electrostatics. Development of Maxwell's equations from empirical laws. Prerequisite: MaSc 251.
- MaSc 313-3. Introduction to Linear Algebra. Systems of linear equations, vector spaces, matrices and linear transformations.
- MaSc 314-3. Introduction to Modern Algebra. Sets, groups, rings, fields, polynomials.
- MaSc 351-3. Introductory Analysis. Sets and Functions. Real numbers, limits, continuous functions, differentiability.
- MaSc 403-3. Introduction to Topology. Metric spaces, topological spaces, separation axioms, compactness and connectedness.
- MaSc 444-3. Statistical Mechanics. Theory of heat and thermodynamics. Include the theory and applications of the Boltzmann distribution, chemical reactions and equilibria, quantum distributions, nonideal gases, astrophysical applications, and the laws of thermodynamics. Prerequisite: 3 semesters of calculus and a course in atomic and nuclear physics such as MaSc 142.
- MaSc 451-3. Introduction to Complex Variables. Analytic functions, Cauchy's integral theorem power series. Laurent series and singularities.
- MaSc 452-3. Integration Theory. Riemann and Lebesgue integral, measure and convergence theorems.
- MaSc 453-3. Differential Equations. Existence, uniqueness of solutions. Linear systems and other topics.
- MaSc 491-3. Topics in Applied Mathematics. Topics in probability, differential equations, functional analysis as chosen by the instructor. The content changes and may be repeated for credit.