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Minutes of the meeting of the Faculty Senate, Monday, November 2, 1964
at 3:30 p.m. in the Office of the Dean of the Faculty.

Members present: Mrs. Brown, Mr. Cleland, Mr. Dalton, Dr. Edwards, Miss Felten,
Mr. Forsythe, Mrs. Hellem, Dr. Nelson, Mr. Osborne, Dr. Pierson,
Dr. Rice, ~~Dr. Staven~~, and Dr. Garwood, Chairman.

Member absent: Dr. Coder

Others present: Dr. Belisle, Dr. Tomanek and Dr. Moss.

The meeting was called to order by the chairman, Dr. Garwood.

Correction to Minutes of Oct. 13, 1964. In the Faculty Senate minutes in the Faculty Bulletin, dated October 26, 1964, on page 14, third paragraph from the bottom of the page, is the following sentence: "Dr Edwards stated that their division is in agreement that the remedial English should be discontinued." Dr. Edwards requests that this sentence be changed to state that the Division is studying the problem of the five-day-a-week English classes but is not in agreement regarding the advisability of dropping the course. This correction should be made in the Minutes of the Faculty Senate for Oct. 13, 1964.

Applications for new courses. Dr. Garwood said that the requests for new courses were to be presented to the Senate from three Divisions, as follows:

1. Health, Physical Education and Recreation. Dr. Belisle reported that they were dropping five courses which are:

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|-----|-----------------------------|-----------|-----------|
| 3. | Individual and Dual Sports | | 1 cr. hr. |
| 12. | Body Mechanics | | 1 cr. hr. |
| 13. | Field Hockey and Basketball | | 1 cr. hr. |
| 14. | Volleyball and Softball | | 1 cr. hr. |
| 24. | Wiskit and Track | | 1 cr. hr. |
| 16. | Golf | | 1 cr. hr. |

which is a total of six credit hours, and requesting the following courses for a total of five credit hours:

3. Bowling. 1 cr. hr. (MW) Included skill techniques and a knowledge of rules and terminology.
12. Golf and Body Mechanics. 1 cr. hr. Basic fundamentals of golf are taught. Golf etiquette and course rules are explained. Student must supply balls and tees. Poise and efficiency of movement, posture, and physical fitness form the core of body mechanics.
28. Team Sport II. 1 cr. hr. (W) This course includes volleyball, softball, and track and field.
191. Adapted Physical Education. 2 cr. hrs. A course which shows the future physical education teacher how he can meet through

191. Cont.

~~through~~ physical education methods and activities
the needs of the physically atypical student.

These courses were discussed by the Senate and questions regarding them were answered.

RECOMMENDATION: It was recommended that the four physical education courses listed above be approved for the catalog. Seconded and carried.

2. Biological Sciences. The sub-committee of the Faculty Senate met Saturday morning with Dr. Tomanek and studied the request for courses for the Biological Science Division. The committee recommended adoption of the courses requested.

The Biological Science Division will drop 40 credit hours of courses and is requesting 39 credit hours. The courses being dropped are:

Biology 1	5 cr. hrs.
Botany 1	5 cr. hrs.
Zoology 1	5 cr. hrs.
Ecology 44	3 cr. hrs.
General Vertebrate Zoology 28	3 cr. hrs.
Field Biology 53	5 cr. hrs.
Invertebrate Zoology 178	3 cr. hrs.
Lower Vertebrates 195	3 cr. hrs.
Morphology 159	3 cr. hrs.
Literature of Biology 311	2 cr. hrs.
Mammals of the World 352	3 cr. hrs.
Total	40 cr. hrs.

The following courses were presented for approval:

Biology:

1. General Biology. 3 cr. hrs. A study of the basic concepts of the biological world, with man as the unifying theme and example. Included are the physical and biotic worlds as they affect organisms, their morphology and physiology, laws governing heredity, ecology, and evolution.
10. Principles of Biology. 3 cr. hrs. A study of the biological principles common to both plants and animals: The physico-chemical bases of life from the molecular to the organismal level; the interactions of organisms and environment; the concepts of genetics and evolution.
150. Immunology. 3 cr. hrs. Prerequisite, Bacteriology 50 and Chem. 12. The fundamental principles of the nature and mechanism of natural and acquired resistance. Production of antibodies, antigens and serological reactions.

9 cr. hrs.

Botany:

11. Botany. 3 cr. hrs. Prerequisite, Biology 10. Elements of the anatomy, ecology, morphology, physiology, and taxonomy of the lower forms including algae, fungi, mosses and liverworts.
12. Botany. 3 cr. hrs. Prerequisite, Biology 10. Elements of the anatomy, ecology, morphology, physiology, and taxonomy of the higher forms including ferns and seed plants.
120. Principles of Plant Pathology, 3 cr. hrs. Prerequisite, 11, 12, Chem. 11. A study of the nature, morphology, symptomology and control methods of the causal agents of plant diseases. Fungi, bacteria, viruses and nematodes are included.
245. Range Plant Nutrition. 3 cr. hrs. Prerequisites, 11, 12, 46, 56. A study of the identification, nutritive value and ecology of range plants, both forage producers and poisonous species. Species considered will be from the Great Plains and western United States.
341. Quantitative Plant Ecology. 3 cr. hrs. Prerequisite 162, Biology 210 or Permission. A study of quantitative methods in plant ecology. An introduction to pattern, ordination, and interspecific association analysis. Correlation of vegetation with habitat factors will also be considered.

15 cr. hrs.

Zoology:

11. General Invertebrate Zoology. 3 cr. hrs. Prerequisite, Biology 10. Elements of taxonomy, ecology, evolution, physiology and adaptations of the invertebrates. Selected phyla will be used to give an over all view of the lower animals.
12. General Vertebrate Zoology. 3 cr. hrs. Prerequisite, Biology 10. Elements of taxonomy, morphology, ecology, evolution, physiology and adaptations of the vertebrates. Each class will be studied with the above emphasis.
182. Herpetology. 3 cr. hrs. Prerequisite, 11 and 12. The study of reptiles and amphibians with emphasis on taxonomy distribution, life history, evolution, and ecology.
183. Ichthyology. 3 cr. hrs. Prerequisite, 11 and 12. The study of fishes with emphasis on taxonomy, distribution, life history, evolution and ecology.

184. Limnology. 3 cr. hrs. Prerequisite, 11 and 12, Chem. 12.
The study of biological, physical, and chemical attributes
of lakes and streams.

15 cr. hrs.

These courses were discussed. Dr. Tomanek explained the thinking of the Division regarding these courses. It was asked if the three-credit-hour course in Biology would take the place of the present five-credit-hour course in Biology. Dr. Tomanek explained that they believed that this would be satisfactory; that it would be possible to teach in the three-hour course the material which is needed. The students who are better prepared may go right into the Biology 10 course. This should be advantageous as students with some background would not be repeating that material. The Division has been considering this type of change for some time.

RECOMMENDATION: It was recommended that the Senate approve the 13 courses as described above. Seconded. Carried.

3. Applied Arts. In the Applied Arts Division, the Art area is requesting the approval of two courses. They are as follows:

401. Independent Studies. 1-5 cr. hrs. Understanding the
functions of art in our society with a focus on individual
problems.
402. Seminar in Creativity. 3 cr. hrs. An exploration of
current research on creativity in art through readings,
discussion and creative activity.

Dr. Moss explained that these two courses are being requested for students who are interested in 400-numbered courses; i.e., courses beyond the Master's Degree. These will apply on the Specialist Degree.

This was discussed.

RECOMMENDATION: It was recommended that the Senate approve the two courses as described above. Seconded. Carried.

The meeting adjourned at 4:45 p.m.

John D. Garwood, Chairman

Standlee V. Dalton, Secretary

Florence Bodmer, Recorder