

The University of Arizona

PROCEEDINGS OF THE FACULTY SENATE

Meeting of Monday

May 3, 1965

PRESENT: Bartlett, Beattie, Blecha, Blitzler, Brewer, Carlson, Coleman, Coulter, Delaplane, DuVal, Forrester, Edwin Gaines, Gegenheimer, Gillmor, Gries, Hall, Harshbarger, Harvill, Hull, Johnson, Kassander, Kemmerer, Lynn, Lyons, Muir, Myers, Paulsen, Picard, Quinn, Rappeport, Roy, Siegel, Stanislawski, Svob, Vavich, Voris, Wilson, Windsor.

ABSENT: Chadwick, Cockrum, Pendleton Gaines, Harris, Hillman, Hudson, Little, Martin, McMillan, Patrick, Paylore, Powell, Rhodes, Simonian, Sorensen, Wallraff.

REPORT BY ad hoc COMMITTEE APPOINTED BY THE PRESIDENT TO STUDY AND RECOMMEND IN MATTER OF CURRICULUM PROBLEM INVOLVING MATHEMATICS AND ENGINEERING, APPROVAL OF: The Senate approved the following report of the special committee appointed to study and recommend in matters concerning curriculum problems involving the Department of Mathematics and the College of Engineering.

The committee, on April 7, 1965, has unanimously found as follows:

- A. It is recommended that the sequence of mathematics courses to be required in the curricula of all engineering students (Colleges of Mines and Engineering) will include:

Math. 49a	Analytic Geometry and Calculus	(5 credits)
Math. 49b	Analytic Geometry and Calculus	(5)
Math. 181	Intermediate Analysis and Differential Equations	(3)

- B. It is recommended that engineering courses E 170 - Introduction to Engineering Analysis, I (3 credits) and E 171 - Introduction to Engineering Analysis, II (3 credits) will be required of students enrolled in curricula of the College of Engineering and, therefore, the approval of E 170 and E 171 is proposed.

- C. As corollary elements of the above recommendations, the following points have bearing:

1. The subject matter which will be covered in Math. 49a and 49b (10 units, combined) will be condensation of the material given in Math 79a, 79b, and 80 (12 units, combined).
2. Math. 181 will be revised to include some topics such as Numerical Methods and Laplace Transforms. Prerequisites will be Math. 49b or Math. 80.
3. Acceptable Junior College courses in Differential Equations which have been satisfactorily completed by transfer students will be allowed as transfer credit for Math. 181.

4. New mathematics courses in the 200 series will be developed specifically for engineering students. These will be Math. 205a and Math. 205b, Advanced Analysis for Engineers; each for 3 credit units, will have the prerequisite of Math. 181, and they may be used in all engineering curricula as elective courses in advanced mathematics. The course content covered in these courses (Math. 205a and 205b) will encompass subject matter now covered in Math. 201, 202, and 203. Math. 205a and 205b will not be terminal in nature so far as more advanced 200 and 300 series mathematics courses are concerned.
5. Math. 172 and Math. 202 will be discontinued (deleted) as courses offered by the Department of Mathematics.
6. Students who have completed Math. 205a and 205b cannot take Math. 201 and 203 for credit, or vice versa. Therefore, Math. 205b will be a prerequisite for any advanced mathematics course which now has a prerequisite of Math. 201 or Math. 203; in particular, it will not be a substitute for Math. 280a.
7. E 171 will be offered for 3 credit units, rather than 4 as was originally proposed by the College of Engineering.
8. The normal sequence of courses, as listed in the Catalogue bulletin by the College of Engineering, will be Math. 49a, Math. 49b, Math. 181, E 170, E 171.

Members of the committee had included Dean Roy, Dean Coleman, Dr. Cohn, Dr. Wymore, Dr. Battan, and Dean Forrester-Chairman.

REPORT BY COMMITTEE ON CHEST X-RAY EXAMINATION, APPROVAL OF: The Senate approved the following report from the special ad hoc committee on chest x-rays which had been appointed by the President to give attention to a proposal that The University of Arizona faculty and staff members be required to submit evidence periodically of having had chest x-rays and/or skin tests.

As a result of its discussions, consultations, and a survey of a number of land grant institutions, the committee is of the opinion that skin tests, as such, would be of very little practical value. The committee believes that the following recommendations are in order:

1. The committee recommends that all new faculty and staff members be required to present evidence of having had a chest x-ray examination showing freedom from communicable tuberculosis within one year prior to their date of employment by The University of Arizona. The committee further recommends that such persons be required to have chest x-ray examinations for the detection of tuberculosis every two years after employment.

2. The committee recommends that all faculty and staff members presently on temporary appointments be required to present evidence of having had a chest x-ray examination showing freedom from communicable tuberculosis, such evidence to be presented not later than April 1, 1966. It is also recommended that such persons be required to submit the results of chest x-ray examinations for the detection of tuberculosis every two years.
3. It is also recommended that all faculty and staff members on continuing appointments be strongly encouraged to submit evidence of having had a chest x-ray examination for the detection of tuberculosis prior to April 1, 1966. It is also recommended that such personnel be strongly encouraged to submit the results of chest x-ray examinations every two years.
4. The committee recommends that appropriate officials of The University of Arizona make arrangements for the chest x-ray examinations so as to either eliminate or minimize any cost to the individual staff and faculty members.

The committee had included Professors David A. Bingham, Carl B. Roubicek, Edward H. Wise, and John J. Irwin-Chairman.

President Harvill indicated he would ask the special committee to continue to serve, assisting University officials in implementing the new policy.

Since some members of the Senate were less than satisfied with the provision that faculty and staff members on continuing appointments would be only "encouraged" to have chest x-rays, the hope was expressed that the committee would study further what the requirement for persons on continuing appointment should be.

SAFETY COMMITTEE, REPORT FROM: The Senate received the following report from Dr. Reuben Gustavson, Chairman of the Campus Safety Committee:

The Safety Committee is made up of the following persons: Dr. Leon Blitzer, Dr. Myron L. Corrin, Mr. Jack B. Flesher, Professor Lez Haas, Dr. Mitchell G. Vavich, Dr. Albert Picchioni, Mr. Robert L. Houston, Mr. William Lersch, and Dr. R. G. Gustavson, Chairman.

The committee has met regularly on the first Thursday of the month and all meetings have been well attended. I am particularly happy to report that Mr. Houston and his colleague, Mr. Lersch, have attended regularly and have given fine support to the work of the committee.

The committee has been able to secure the appointment from practically every department on campus, of a representative with whom the committee can communicate. The departmental representatives also serve to bring to the attention of the safety committee specific problems which he feels need attention.

Mr. Murphy has been very helpful in advising the committee on what safety measures such as glasses, sometimes calling for prescription glasses, may be charged to research grants.

I shall not list all of the problems which the committee has dealt with, but I do want to mention certain problems of general concern to the people dealing with volatile, inflammable solvents. As a part of this work we have corresponded with universities comparable to The University of Arizona in size, to get The University of Arizona to become aware of different schemes for meeting the problem.

Mr. Lersch, who carries the primary responsibility for safety throughout the campus, is making at least an annual inspection of each building and a systematic inspection of fire extinguishers throughout the campus. Mr. Lersch has attended national meetings dealing with university and college safety problems and as a result, our attention has been called to a number of situations which we are investigating.

The committee is anxious to have a complete record of all accidents which may have taken place in the university, together with the action taken by the Safety Committee to prevent their recurrence. The committee is making plans for a close cooperation with the Student Health Department, especially as that department is concerned with the treatment of injuries taking place on the campus.

David L. Windsor, Secretary