1964

Course Changes from various college faculties and the Graduate faculty (11th report of the Curricular Affairs Committee, page 1 to middle of page 13). / Undergraduate curriculum changes in mathematics, Engineering and Pharmacy (11th report of Curricular Affairs committee, middle of p. 13 through and including b. on page 16 and addendum). / Proposal of the Graduate Faculty to authorize new programs leading to degrees of M.A. in Psychology and M.S. in Psychological Services. (11th report on Curricular Affairs Committee, pages 15, 2. through 19)

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Transmittal Form for Bills Approved by the Faculty Senate

From: The Chairman, Faculty Senate
To: The President, Dr. Francis H. Horn
Enclosure

1. The attached bill, entitled "Course changes from various college faculties and the Graduate Faculty (11th report of the Curricular Affairs Committee, page 1 to middle of page 13)."

is hereby forwarded to you for your consideration.

2. The official original and eight copies for your use are attached.

3. This bill was approved by vote of the Faculty Senate on March 19, 1964.

4. After your consideration, will you kindly indicate your approval or disapproval, as appropriate, and either return it or forward it to the Board of Trustees, as you may deem appropriate, completing the appropriate endorsement below.

5. Attention is invited to the fact that this bill will become effective on 9 April 1964 (three weeks after its approval by the Senate), in accordance with paragraph 8.2 of the Bylaws of the Faculty Senate as amended, or in accordance with provisions of the bill, unless it is returned disapproved by the President, or unless referendum is petitioned for by the Faculty, or unless the President decides to forward it, with his approval, to the Board of Trustees for their approval. If it is to be forwarded to the Board of Trustees, it will not become effective until approved by the Board.

Robert W. Harrison
Chairman, Faculty Senate

Endorsement 1.

From: The President, University of Rhode Island
To: The Chairman, Board of Trustees of State Colleges

1. Forwarded.
2. Approved.

(Robert W. Harrison)
President, University of R.I.
Alternate Endorsement 1.

From: The President, University of Rhode Island
To: The Chairman, Faculty Senate

1. Returned.
2. Approved X Disapproved ___.
3. (If approved) in my opinion, transmittal to the Board of Trustees would not be desired by the Board and is unnecessary.

March 23, 1964 (date)
(Signature) President, University of R.I.

Endorsement 2.

From: The Board of Trustees of State Colleges
To: The Chairman, Faculty Senate
Via: The President, University of Rhode Island.

1. Returned.
2. Approved_____. Disapproved_____.

(Office)

Endorsement 3.

From: The President, University of Rhode Island
To: The Chairman, Faculty Senate

1. Forwarded.

(office)

Received 24 March 1964 (date) (Signature) Chairman, Faculty Senate

Original forwarded to Secretary of the Senate and Registrar, E. Farrell, for filing in the archives of the University.

(office)
UNIVERSITY OF RHODE ISLAND
FACULTY SENATE

Transmittal Form for Bills Approved by the Faculty Senate

From: The Chairman, Faculty Senate
To: The President, Dr. Francis H. Horn
Enclosure

1. The attached bill, entitled Undergraduate curriculum changes in Mathematics, Engineering and Pharmacy (11th report of Curricular Affairs Committee, middle of p. 13 through and including b. on page 16 and addendum), is hereby forwarded to you for your consideration.

2. The official original and eight copies for your use are attached.

3. This bill was approved by vote of the Faculty Senate on March 19, 1964 (date).

4. After your consideration, will you kindly indicate your approval or disapproval, as appropriate, and either return it or forward it to the Board of Trustees, as you may deem appropriate, completing the appropriate endorsement below.

5. Attention is invited to the fact that this bill will become effective on 9 April 1964 (three weeks after its approval by the Senate), in accordance with paragraph 8.2 of the Bylaws of the Faculty Senate as amended, or in accordance with provisions of the bill, unless it is returned disapproved by the President, or unless referendum is petitioned for by the Faculty, or unless the President decides to forward it, with his approval, to the Board of Trustees for their approval. If it is to be forwarded to the Board of Trustees, it will not become effective until approved by the Board.

Robert W. Harrison
(Signature) Chairman, Faculty Senate

Endorsement 1.

From: The President, University of Rhode Island
To: The Chairman, Board of Trustees of State Colleges

1. Forwarded.
2. Approved.

(date) (Signature) President, University of R.I.

Continued on reverse side.
Alternate Endorsement 1.

From: The President, University of Rhode Island
To: The Chairman, Faculty Senate

1. Returned.
2. Approved Disapproved
3. (If approved) in my opinion, transmittal to the Board of Trustees would not be desired by the Board and is unnecessary.

(date) (Signature) President, University of R.I.

Endorsement 2.

From: The Board of Trustees of State Colleges
To: The Chairman, Faculty Senate
Via: The President, University of Rhode Island.

1. Returned.
2. Approved Disapproved

(date) (Signature)

(Office)

Endorsement 3.

From: The President, University of Rhode Island
To: The Chairman, Faculty Senate

1. Forwarded.

(date) (Signature) President, University of R.I.

Received 24 March, 1964

(date) (Signature) Chairman, Faculty Senate

Original forwarded to Secretary of the Senate and Registrar, E. Farrell, for filing in the archives of the University.

(date) (Signature) Chairman, Faculty Senate
From: The Chairman, Faculty Senate  
To: The President, Dr. Francis H. Horn  
Enclosure

1. The attached bill, entitled "Proposal of the Graduate Faculty to authorize new programs leading to degrees of M.A. in Psychology and M.S. in Psychological Services" (11th report of Curricular Affairs Committee, pages 18, 2, through 19) is hereby forwarded to you for your consideration.

2. The official original and eight copies for your use are attached.

3. This bill was approved by vote of the Faculty Senate on March 11, 1964.

4. After your consideration, will you kindly indicate your approval or disapproval, as appropriate, and either return it or forward it to the Board of Trustees, as you may deem appropriate, completing the appropriate endorsement below.

5. Attention is invited to the fact that this bill will become effective on 9 April 1964 (three weeks after its approval by the Senate), in accordance with paragraph 8.2 of the Bylaws of the Faculty Senate as amended, or in accordance with provisions of the bill, unless it is returned disapproved by the President, or unless referendum is petitioned for by the Faculty, or unless the President decides to forward it, with his approval, to the Board of Trustees for their approval. If it is to be forwarded to the Board of Trustees, it will not become effective until approved by the Board.

23 March 1964  
(date)  
(Signature) Chairman, Faculty Senate

Endorsement 1.

From: The President, University of Rhode Island  
To: The Chairman, Board of Trustees of State Colleges  

1. Forwarded,  
2. Approved.

(date)  
(Signature) President, University of R.I.

Continued on reverse side.
Alternate Endorsement 1.

From: The President, University of Rhode Island
To: The Chairman, Faculty Senate

1. Returned.
2. Approved. Disapproved _______.
3. (If approved) In my opinion, transmittal to the Board of Trustees would not be desired by the Board and is unnecessary.

March 23, 1964
(Full Name: Francis W. How)
(Signature) President, University of R.I.

Endorsement 2.

From: The Board of Trustees of State Colleges
To: The Chairman, Faculty Senate

1. Returned.
2. Approved _______. Disapproved _______.

(Office)

Endorsement 3.

From: The President, University of Rhode Island
To: The Chairman, Faculty Senate

1. Forwarded.

(Office)

Original forwarded to Secretary of the Senate and Registrar, E. Farrell, for filing in the archives of the University.

(date) (Signature) President, University of R.I.

(date) (Signature) Chairman, Faculty Senate
The following curricular and course changes have been approved by the respective college curriculum committees, faculties, and deans having cognizance, by the Graduate Council and Graduate Faculty, where pertinent, and have been reviewed and approved by this Committee. The Committee requests confirmation of their approval by the Faculty Senate at its meeting March 19, 1964.

1. Course changes.

a. From the College of Arts and Sciences.

1) Department of Mathematics

Mathematics 3. Introductory Calculus.
Mathematics 5. Calculus of Several Arguments.
Mathematics 20. Trigonometry.
Mathematics 32. Differential and Integral Calculus.
Mathematics 34. Calculus.
Mathematics 35. Calculus.

b) Redefine Mathematics 9 as follows:

Math. 9. Algebra and Trigonometry. Semester 1, 3 cr.

An integrated development of the fundamentals of algebra and trigonometry. Review of quadratic equations, systems of equations, mathematical induction, binomial theorem, trigonometric formulas. (Lec. 3)

(Continued on next page)
1. Course changes, continued.

c) Add (New) Math. 41. **Introductory Calculus with Analytic Geometry.** Semester I or II, 3 cr.

An integration of calculus and analytic geometry. The analytic geometry treats such topics as graphing, straight line and conic sections; the calculus deals with the applications of the derivative in determining maxima and minima, rates of change, and in the study of rectilinear motion. Antidifferentiation is introduced early and is used to find area, volume, length of arc and surface area. (Lec. 3) It is recommended that students electing Math. 41 have completed four units of high school mathematics including trigonometry.

d) Add (New) Math. 42. **Intermediate Calculus with Analytic Geometry.** Semester I or II, 3 cr.

The second course completes the integrated study of both plane analytic geometry and of differential and integral calculus. Applications related to trigonometric, logarithmic, and exponential functions, including polar coordinates and vector algebra, are covered. (Lec. 3) Prerequisite: Math. 41 or equivalent.

e) Add (New) Math. 43. **Calculus and Analytic Geometry of Several Variables.** Semester I or II, 3 cr.

The third course presents the applications of analytic geometry and calculus to space of three dimensions, including multiple integration and partial differentiation. It also includes infinite series. (Lec. 3) Prerequisite: Math. 42.

f) Add (New) Math. 44. **Differential Equations.** Semester I or II, 3 cr.

The classification and solution of differential equations involving one independent variable. Applications to all the physical sciences are studied. This course is basic for further study in applied mathematics and for advanced work in physics and engineering. (Lec. 3) Prerequisite: Math. 43.

2) Department of Psychology.

a) Change course descriptions as follows:

i) Psychology 1. **General Psychology.** Semester I or II, 3 cr.

Add the word "academic" to line 3 of the course description and change (Lec. 3) to (Lec. 2, Rec. 1).

(Continued on next page)

1. Course changes, continued.

ii) Psychology 2. Developmental Psychology. Semester I or II, 3 cr.

Change (Lec. 3) to (Lec. 2, Rec. 1).

iii) Psychology 11, 12. Experimental Psychology. Semester I and II, 3 cr. each.

New description: Lectures, demonstrations and laboratory experiments in fields of sensation, perception, psychophysics, and learning. Students will carry out independent experiments and will write scientific reports. (Lec. 1, Lab. 4) Prerequisite: Psy. 1; Psy. 10 recommended. Psy. 11 prerequisite for Psy. 12.

iv) Psychology 21. Psychology of Personal Adjustment. Semester I or II, 3 cr.

Change (Lec. 3) to (Lec. 2, Rec. 1) and prerequisite from sophomore standing to sophomore standing, Psy. 1 or permission of department.

v) Psychology 24. Behavior Problems and Personality Disorders. Semester I or II, 3 cr.

New description: Evaluation of the more serious behavioral disorders as found in the major forms of character disorders, psychoneuroses, and psychoses. Theories of causation, development and effects of anxiety and defense mechanisms, and interpretation of symptoms and methods of treatment are studied. (Lec. 3) Prerequisite: Psy. 1.

vi) Psychology 30. Theories of Personality. Semester I or II, 3 cr. each.

Critical survey of the major theories of personality. Emphasis will be placed mainly upon the "normal" personality. (Lec. 3) Prerequisite: Psy. 1.

vii) Psychology 41. History and Systems of Psychology. Semester I or II, 3 cr.

New description: Rise and development of psychological research, psychological systems and specialized areas within psychology. (Lec. 3) Prerequisite: Psy. 1.

(Continued on next page)
1. Course changes, continued.

viii. Psychology 46. Physiological Psychology. Semester I or II, 3 cr. Course to be offered in alternate years.

Course description: Physiological mechanisms operative in human behavior. Sensory, neural, endocrine and response systems as related to sensation, perception, emotions, motivation, learning and thinking. (Lec. 3)

Prerequisites: Psy. 1, Biol. 2, junior standing. Alternate years, next offered 1964-65.

b. From the College of Agriculture.


2) Add (New) Horticulture 16 (12 and 14), Fruit Science. Semester II, 3 cr.

Fundamental principles and management of fruit production. Topics covered include propagation, planting, soil, fertilization, cultural practices, pruning and harvesting. (Lec. 3)

c. From the College of Engineering.

1) Correct description of Mechanical Engineering 54 to read:

(Add underlined words)

M.E. 54. Fluid Mechanics. Semester I or II, 3 cr.

Physical properties of fluids, development of continuity, energy, and momentum concepts using vector methods and the application of these concepts to problems involving viscous and non-viscous fluids including potential flows and flows in closed conduits and around immersed bodies. (Lec. 3)

Prerequisite: Math. 44, M.E. 63.

2) Change College of Engineering course prerequisites as follows:

a) In all cases where Math 3; 4; 5 or 6 appear as a course prerequisite, they should be changed to read Math. 41; 42; 43 or 44 respectively.

b) In all cases where M.E. 1 and/or M.E. 2 appear as course prerequisites, they should be changed to read M.E. 7.

(Continued on next page)
1. Course changes, continued.


Drawing techniques, theory of projection, descriptive geometry, orthographic and pictorial drawing and sketching, and technical drawing practice, including sectioning, dimensioning, assemblies, fasteners and standard parts. (Lec. 1, Lab. 6)

d. From the College of Home Economics.

1) Change the time distribution for FN 31. Advanced Food Study, from (Lec. 2, Lab. 3) to (Lec. 1, Lab. 6.)

2) Change prerequisites for FN 33. Quantity Food Preparation. FN 1 and IM 41 to FN 1.

3) Change the course description for CF 31 to read:

CF 31. Introduction to Work with Children. Semester I or II, 3 cr.

Theory and practice in care, teaching and guidance of preschool children. Lectures, discussions and participation in nursery school. (Students registering for morning lecture should have 2 free hours between 3 and 5 one day per week. Students registering for afternoon lecture should have 2 free consecutive hours between 9 and 12 one day per week.) (Lec. 2, Lab. 2)

Prerequisite: CF 5.

e. From the College of Nursing.

1) Change credits for Nursing 5. Medical-Surgical Nursing, from 15 credits to 14 credits.

f. From the Graduate School (Contingent upon receipt of formal reports from Dean Nash)

1) Department of Chemical Engineering

a) Add (New) Ch.E. 274. Biochemical Engineering. Semester II, 3 cr.

An introduction to biotechnology. Topics to be discussed include (1) properties of biological materials (2) dynamics of biological systems (3) control and operation of biological systems and (4) processing of biological materials. (Lec. 3)

Prerequisite: permission of instructor. In alternate years, next offered 1964-65.

(continued on next page)
1. Course changes, continued.
   
b) Change credits for Me.E. 205 (or Ch.E. 285) **Measurements in Nuclear Engineering**, from 2 to 3 credits, (Lec. 2, Lab. 3).

2) Curriculum in Community Planning

   a) Add (New) Community Planning 333. **Planning Theory Seminar.**
   Semester II, 3 cr.

   A critical survey of current theories of community planning and area development. Comprehensive review of contemporary planning concepts and discussion of planning processes. Models for choice making and resource allocation are considered as contributions to systematic planning theory. (Lec. 3)

   Prerequisites: C.P. 110, 112, or equivalent.

   **Note:** This course is submitted for approval for the spring term 1964 only and is subject to modification by the Program's Faculty Steering Committee.

3) Department of English

   a) Delete the following courses:

   English 353. **Seminar in the American Novel.**
   English 363. **Seminar in Twentieth Century English Poetry.**
   English 372. **Seminar in the English Novel of the Nineteenth Century.**

   b) Add English 101s. *James, Fitzgerald, and Faulkner.* First Summer Session 1964, 3 cr. A critical and comparative study of three major modern American novelists. (Lec. 3) Prerequisite: junior, senior or graduate standing. Riddel

   c) Add English 102s. *Stephen Crane and Ernest Hemingway.*
   Second Summer Session 1964, 3 cr.

   A comparative study of the themes and techniques in the fiction of Stephen Crane and Ernest Hemingway. (Lec. 3) Prerequisite: junior, senior or graduate standing. Gullason

   **Note:** These two special courses are to be offered in the 1964 Summer Sessions only:

   d) Add (New) Eng. 301. **Seminar in English Literature of the Middle Ages.** Semester I or II, 3 cr.

   Lectures, discussion, extensive reading, individual research, and a substantial research paper. Topic Semester II, 1964-65: Chaucer's Troilus and Criseyde. (Lec. 3)

   (Continued on next page)
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Page 7.

1. Course changes, continued.

e) Add (New) Eng. 302. Seminar in English Literature of the Renaissance. Semester I or II, 3 cr.

Lectures, discussion, extensive reading, individual research, and a substantial research paper. Topic Semester I, 1965-66: The Drama of Marlowe and Jonson (Lec. 3)

f) Add (New) Eng. 303. Seminar in English Literature of the Restoration and Eighteenth Century. Semester I or II, 3 cr.

Lectures, discussion, extensive reading, individual research, and a substantial research paper. Topic Semester II, 1964-65: John Dryden (Lec. 3)

g) Add (New) Eng. 304. Seminar in English Literature of the Nineteenth Century. Semester I or II, 3 cr.

Lectures, discussion, extensive reading, individual research, and a substantial research paper. Topic Semester I, 1965-66: Keats and Tennyson (Lec. 3)

h) Add (New) Eng. 305. Seminar in American Literature before 1900. Semester I or II, 3 cr.

Lectures, discussion, extensive reading, individual research, and a substantial research paper. (Lec. 3) Topic Semester I, 1964-65: Edgar Allan Poe (Robinson); Topic Semester II, 1965-66: Nineteenth Century Naturalism

i) Add (New) Eng. 306. Seminar in Modern Literature (English and American) Semester I or II, 3 cr.

Lectures, discussion, extensive reading, individual research, and a substantial research paper. (Lec. 3) Topic Semester I, 1964-65: James Joyce (Sharpe); Topic Semester II, 1965-66: Henry James and Joseph Conrad

4) Department of Geography

a) Change number of Geog. 42. Geography of the Soviet Union, to Geography 142, with added prerequisite of Geog. 1 or permission of the department.

b) Add (New) Geog. 132. Seminar in Political Geography. Semester II, 3 cr.

Special problems of territorial control, including the changing nature of International boundaries, elements of unity and diversity within nations, and concepts of geopolitics. (Lec. 3) Prerequisite: Geog. 31 or permission of department. In alternate years, next offered 1964-55.

(Continued on next page)
1. **Course changes, continued.**

5) **Department of Languages**

a) **Add (New) Fr. 205. The Novel of the 17th and 18th Centuries.** Semester I, 3 cr.

   A study of the evolution of the French novel, with emphasis on writers such as D'Urfe, Scarron, Mme. de Lafayette, LeSage, Marivaux, Prevost, Voltaire and Diderot. (Lec. 3) Rothschild

b) **Add (New) Fr. 206. The Age of Enlightenment.** Semester II, 3 cr.

   A study of the intellectual trends in the 17th century French literature as it relates to the important 18th century philosophical production of Montesquieu, Voltaire, Buffon, Diderot and others. (Lec. 3) Rothschild

c) **Add (New) Fr. 213. The Symbolist Movement.** Semester I, 3 cr.

   Intensive study of poetry of Baudelaire, Verlaine, Rimbaud, Mallarme and of their sources and influence. (Lec. 3) Waters

d) **Add (New) Fr. 214. Proust and Claudel.** Semester II, 3 cr.

   Analysis and interpretation of the imaginative writings of Proust and Claudel. (Lec. 3) Waters

e) **Add (New) Fr. 391. Graduate Seminar.** Semester I or II, 3 cr.

   Group and/or individual investigation of special problems in French literature. Required of all candidates for the Master of Arts in French.

f) **Add (New) Linguistics 271 Fr. Structure of the French Language.** Semester I, 3 cr.

   Intensive study of the phonological, morphological and syntactic systems of present-day standard French. Attention to changes now in progress. Prerequisite: eighteen hours of French or equivalent. In alternate years, next offered 1964-65. Porter

6) **Department of Political Science**

a) **Change title of Political Science 107. Government and History of the Soviet Union to Government of the Soviet Union.**

   (Continued on next page)
1. Course changes, continued.

7) Department of Speech and Dramatic Arts

a) Add (New) Speech 103. **Theory of Rhetoric.** Semester I, 3 cr.

Analysis of the major theories of rhetoric and rhetorical criticism from the ancient and classical, the medieval and modern periods. (Lec. 3)

b) Add (New) Speech 105. **History of Public Address.** Semester II, 3 cr. (Lec. 3)

The place of public speaking in the social, political, and economic life of our English-speaking heritage.

c) Add (New) Speech 191, 192. **Speech Seminar.** Semester I or II, 2-4 cr. each.

Special problems course permitting individual study of specific areas within the speech field. Prerequisite: Speech 1 or 2 plus 9 credits in Speech. Staff

8) Department of Mathematics

a) Change title of Mathematics 151, Mathematical Theory of Statistics to **Introduction to Probability and Statistics.**

The content of the course will remain substantially the same as at present and 151 will then be a prerequisite for Mathematics 149 and 152. The catalog description will be:

**Math. 151. Introduction to Probability and Statistics.**

Semester I, 3 cr.

The theoretical basis and fundamental tools of probability and statistics. Probability spaces, properties of probability, distributions, expectations. Some common distributions and elementary limit theorems. Basic principles of statistical testing and estimation. (Lec. 3) Prerequisite: Math. 43 or equivalent.

9) Department of Psychology

a) Add (New) Psychology 105. **The Psychology of Social Behavior.**

Semester I or II, 3 cr.

Study of the concepts and principles of the behavior of individuals in the relation to social environment with emphasis placed on the behavioral processes in the development of socialization. Special attention will be given to motivation, language behavior, formation and changes of attitudes and the norms established by various kinds of social groups. (Lec. 3) Prerequisite: Psy. 1; Soc. 6 strongly recommended.

*Pending approval of Graduate Faculty

(Continued on next page)
1. Course changes, continued.

b) Change description of Psychology 151. Measurement of Social Behavior to indicate change in prerequisite and frequency of offering: "Psych. 1, Psych. 105 recommended, and permission of the Department. Alternate years, next offered 1965-66."

c) Renumber Psychology 110. Intermediate Quantitative Methods to Psychology 210.*

d) Add (New) Psychology 240. The Exceptional Child. Semester 1 or II, 3 cr.

Definition and proper classification of types of exceptional children, and the social, psychological, and physical factors involved. Problems of rehabilitation and psychological treatment of the exceptional child. Types of exceptional children include those who are superior, retarded, physically handicapped, and those suffering from developmental aberrations. (Lec. 3) Prerequisite: Psy. 2, 24 and permission of department.

e) Add (New) Psychology 300, 301. Advanced General Psychology. Semester I and II, 3 cr. each.

An intensive survey of some of the fundamental principles and theoretical positions in the major fields of psychology. Lectures and readings in various fields are presented to provide a broad base of information and develop a critical approach to the evaluation of research techniques and findings. Topics covered in 300 include Science of Psychology, Sensational Perception. Topics in 301 include Learning, Motivation and Cognition. (Lec. 3) Prerequisite: Psy. 10, 11, permission of department.

f) Add (New) Psychology 310. Methods of Psychological Research and Experimental Design. Semester I or II, 3 cr.

This course is designed to provide the student of Psychology with a knowledge of research methodology and the techniques of experimental designs. It is a preparation course for the development of thesis problems of graduate students in Psychology and related disciplines. (Lec. 3) Prerequisite: Psy. 210.

*Pending approval of Graduate Faculty

(Continued on next page)
1. Course changes, continued.

   g) Add (New) Psychology 330. **Personality Dynamics.** Semester I, 3 cr.

   Readings from the original sources of the major contemporary personality theorists. Emphasis will be placed upon the possible integration of these theories, and the development of syncretic theory according to individual preferences. (Lec. 3) Prerequisite: Psy. 30.

   h) Add (New) Psychology 331. **Advanced Psychopathology.** Semester I or II, 3 cr.

   Personality Dynamics II. Study of empirical literature with regard to etiological factors involved in the formation of pathological character trends and deviations. Evaluation of clinical theory and classification systems as related to the psychotherapeutic process. (Lec. 3) Prerequisite: Psy. 24, 330.

   i) Add (New) Psychology 350. **Administration and Interpretation of Cognitive Tests.** Semester I, 3 cr.

   Psychological Services I. Instruction and practice in the administration and interpretation of cognitive tests; individual intelligence tests of both general and specific abilities. Seminar underlying rationale, research evidence and clinical application of such tests as Stanford-Binet, Wechsler, Bender-Gestalt, Lister International. Laboratory practicum. (Lec. 2, Lab. 2) Prerequisite: Psy. 2, 24, 30, 120 and permission of department.

   j) Add (New) Psychology 351. **Administration and Interpretation of Personality Tests.** Semester II, 3 cr.

   Psychological Services II. Instruction and practice in the administration and interpretation of instruments used in the assessment of personality. Emphasis upon projective tests such as Rorschach, TAT. Seminar underlying rationale, research evidence and clinical application. (Lec. 2, Lab. 2) Prerequisite: Psy. 350 and permission of department.

   k) Add (New) Psychology 352. **Diagnostic Practicum.** Semesters I and II, 3 cr. each.

   Psychological Services III. Supervised practice in the assessment and modification of problem behavior. Seminar areas of special interest to students and staff. (Lec. 2, Lab. 2) Prerequisite: Psy. 351 and permission of department.

   (Continued on next page)
1. Course changes, continued.

1) Add (New) Psychology 353. Individual Case Study. Semesters I and II, 3 cr. each.

Psychological Services IV. Supervised experience in a clinic, school or institution. Includes diagnostics, evaluations, individual and group therapy and case conferences. Seminar areas of special interest to students and staff. (Lec. 2, Lab. 2) Prerequisite: Psy. 352 and/or permission of department.

m) Add (New) Psychology 354. Field Experience in Psychological Services Internship. Semesters I or II, 6-12 credits.

Internships for advanced graduate students are available in a variety of institutional, agency and school settings, under supervision which must be acceptable to the department. (TBA) Prerequisite: Equivalent of 1 year full-time graduate work, psychological service sequence, permission of department.

n) Add (New) Psychology 355. Seminar to Accompany Field Experience in Psychological Services. Semester I or II, 3 cr.

All students will meet in seminar to discuss and investigate specific diagnostic, therapeutic, research problems emerging in connection with internship experience. (Lec. 3) Prerequisite: Psy. 354.


Recent developments and current issues. Topics will be chosen from those areas which have emerged as central issues in the field of psychology. Rigorous exploration of experimental and theoretical literature. Study will be limited to one of the following areas: (a) developmental, (b) motivation, (c) perception, (d) learning, (e) social behavior, (f) contemporary problems. Can be repeated for maximum of 9 hours. (Lec. 3) Prerequisite: permission of department.


Emphasis on etiological factors, diagnostic and treatment considerations, and experimental research findings related to the psychological maladjustments in infancy and childhood; treatment procedures, resources and methods used in dealing with behavior and personality problems. Lectures, discussions, and case demonstrations. (Lec. 3) Prerequisite: Psy. 331 or permission of department.

(Continued on next page)
1. Course changes, continued.

q) Add (New) Psychology 372. Seminar: The Professional Psychologist in the Community. Semester I or II, no credit.

Ethical and professional standards related to the practice of psychological services. Discussion and guest lectures by members of related disciplines. Special emphasis upon the role of the professional psychologist in the community. (Lec. 1) Prerequisite: permission of department.

r) Add (New) Psychology 373. Seminar: Introduction to Clinical Psychotherapy. Semester I or II, 3 cr.

Theories and techniques of psychotherapeutic procedures involving directive and non-directive and play therapies. Theoretical rationale and empirical research with special emphasis on the child area. (Lec. 3) Prerequisite: permission of department.

s) Add (New) Psychology 391, 392. Directed Readings and Research Problems. Semester I or II, 3 cr.

Directed readings and advanced research work under the supervision of a member of the staff arranged to suit the individual requirements of student. May be taken for up to 6 credits. Prerequisite: permission of department.

2. Curricular changes.

a. College of Arts and Sciences.

1) Department of Mathematics

a) B.A. Freshman-Sophomore Options, 1963 catalog pp. 44-45. Change the mathematics section to read:

MATHEMATICS. The requirement in Mathematics may be satisfied by Mathematics 7 - Introduction to Finite Mathematics, 3 credits. An alternate choice is to complete any two 3-credit courses in the Department of Mathematics.

b) B.S. Variations in General Requirements, catalog p. 55. Change the section to include:

MATHEMATICS. The requirement in Mathematics may be satisfied by Mathematics 7 - Introduction to Finite Mathematics, 3 credits. An alternate choice is to complete any two 3-credit courses in the Department of Mathematics. Majors in Physical Education for Women are required to complete Mathematics 7.

(Continued on next page)
2. Curricular changes, continued.

c) Redefine B.A. Mathematics Major. Change the entire section to read as follows:

Major in Mathematics. Students selecting this major field must complete 36 credits in Mathematics chosen from Mathematics courses numbered below 300. The program normally includes:

Math. 41 - Introductory Calculus with Analytic Geometry
Math. 42 - Intermediate Calculus with Analytic Geometry
Math. 43 - Calculus and Analytic Geometry of Several Variables
Math. 44 - Differential Equations

Students with substantial knowledge of calculus may request permission of the department to begin study at a higher level than Math. 41.

d) Redefine B.S. Mathematics Curriculum. Change to read:

The student must acquire at least 39 credits, exclusive of Mathematics 9, within the Department of Mathematics. The program will usually include Mathematics 41, 42, 43 and 44. Students with substantial knowledge of calculus may request permission of the department to begin study at a higher level than Mathematics 41.

In addition, the student must elect three of the following:

1. Mathematics 114 - Modern Algebra
2. Mathematics 151 - Introduction to Probability and Statistics
3. Mathematics 137 - Advanced Calculus
   or
4. Mathematics 162 - Theory of Complex Variables
5. Mathematics 122 - Concepts of Geometry
   or
6. Mathematics 155 - Topology

The program must include one year of physics (e.g. Physics 1, 2, or Physics 3, 4, 5, 6). In addition the student must complete a minor concentration of 18 or more credits in one of the three areas: Biological Science, Physical Science or the Social Sciences.

A minimum or 14-15 credits, exclusive of General Education required courses, must be outside the major and minor fields of concentration and ordinarily in non-technical courses.

(Continued on next page)
2. **Curricular changes, continued.**

If a student has achieved competence equivalent to an intermediate level course in a foreign language before entering college he is exempt from the language requirement, thus increasing the electives by 6 credits. In case the elected language is a beginning course, a second year of language is required, thus decreasing the electives by 6 credits.

A typical program is as follows:

<table>
<thead>
<tr>
<th>FRESHMAN YEAR</th>
<th>First Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math. 41 - Introductory Calculus with Analytic Geometry</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Engl. 1 - Composition</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Modern Language</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Biological Science</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>General Requirement or Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>M.S. 1 - Military Science (if elected)</td>
<td>(2)</td>
<td></td>
</tr>
<tr>
<td>Phys. Ed. 1M or 1W - Physical Activity</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>16-19</strong></td>
<td></td>
</tr>
</tbody>
</table>

Second Semester

| Math. 42 - Intermediate Calculus and Analytic Geometry | 3 |
| Engl. 2 - Literature and Composition | 3 |
| Modern Language | 3 |
| Biological Science | 3-4 |
| General Requirement or Elective | 3 |
| M.S. 2 - Military Science (if elected) | (2) |
| Phys. Ed. 2M or 2W - Physical Activity | 1 |
| **Total** | **16-19** |

<table>
<thead>
<tr>
<th>SOPHOMORE YEAR</th>
<th>First Semester</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Math. 43 - Calculus &amp; Analytic Geometry of Several Variables</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Physics 1 - General Physics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physics 3 &amp; 5 - Engineering Physics</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Social Science</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>General Requirement or Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>M.S. 23 - Military Science or Elective</td>
<td>2-3</td>
<td></td>
</tr>
<tr>
<td>Phys. Ed. 3M or 3W - Physical Activity</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>16-17</strong></td>
<td></td>
</tr>
</tbody>
</table>

(Continued on next page)
2. Curricular changes, continued.

**SOPHOMORE YEAR**

<table>
<thead>
<tr>
<th>Second Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math. 44 - Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>Physics 2 - General Physics or Physics 4 &amp; 6 - Engineering Physics</td>
<td>4</td>
</tr>
<tr>
<td>Social Science</td>
<td>3</td>
</tr>
<tr>
<td>General Requirement or Elective</td>
<td>3</td>
</tr>
<tr>
<td>M.S. 24 - Military Science or Elective</td>
<td>2-3</td>
</tr>
<tr>
<td>Phys. Ed. 4H or 4W - Physical Activity</td>
<td>1</td>
</tr>
</tbody>
</table>

**JUNIOR AND SENIOR YEARS**

<table>
<thead>
<tr>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-9</td>
</tr>
<tr>
<td>27</td>
</tr>
<tr>
<td>12-16</td>
</tr>
<tr>
<td>30-12</td>
</tr>
</tbody>
</table>

Total Credits: 136

b. **College of Engineering**

1) Change the curriculum for the Freshman Year in the College of Engineering to accommodate changes in Mathematics and Mechanical Engineering, to read:

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Cr.</td>
<td>Course Cr.</td>
</tr>
<tr>
<td>Chem. 1 or 3</td>
<td>4</td>
</tr>
<tr>
<td>Engr. 1</td>
<td>1</td>
</tr>
<tr>
<td>English 1</td>
<td>3</td>
</tr>
<tr>
<td>Math. 41</td>
<td>3</td>
</tr>
<tr>
<td>M.E. 7 or Econ. 23</td>
<td>3</td>
</tr>
<tr>
<td>Phys. Ed. 1M or 1W</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Total</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>17</td>
</tr>
</tbody>
</table>

**c. Graduate School**

1) **Graduate School of Library Science.**

1) Authorize the Graduate School of Library Science to grant the degrees of Master of Arts in Library Science and Master of Library Science, requiring 30 credit hours and no thesis.

(Continued on next page)
2. Curricular changes, continued.

Note: Although the request is not in the precise form outlined in the "Statement of Policies" of the Graduate School, the items listed in that policy are covered in the request or are known to the committee through various communications from the Dean of the Graduate School of Library Science.

Because the Dean of the Graduate School of Library Science is in the process of recruiting a faculty (he is negotiating for two full-time faculty members in addition to himself), plans presented for the degree programs are of necessity tentative, and specific course proposals will be presented at a later time.

The M.A. degree will be open to students who hold a Bachelor or Arts degree from an accredited university or those who pass reading examinations in at least two foreign languages acceptable to the Graduate School. The M.L.S. degree will be open to students who hold a baccalaureate degree other than the A.B. from an accredited university.

The following courses will be required:

1) Basic reference
2) Basic selection of materials
3) Basic administration and management
4) Introductory cataloging and classification
5) One advanced bibliography course
6) History of books and printing

On the advanced level the student may specialize in
1) school library and children's work; 2) public library;
3) college, university and special library.

The Graduate School of Library Science is located in Providence and Dean Ashton plans to make use of the various libraries in the city, including the Providence Public Library and the library facilities of Brown University.

A typical program might be:

(Continued on next page)
2. Curricular changes, continued.

Master's Program in Library Science
(School and Children Sequence)*
for
Fulana de Tal

Approved by Dean: ____________________________

<table>
<thead>
<tr>
<th>Basic required courses</th>
<th>Title of course</th>
<th>Date Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>L.S. 101</td>
<td>Reference and Bibliography</td>
<td>3</td>
</tr>
<tr>
<td>L.S. 103</td>
<td>Selection of Library Materials</td>
<td>3</td>
</tr>
<tr>
<td>L.S. 104</td>
<td>Library Adm. and Management</td>
<td>3</td>
</tr>
<tr>
<td>L.S. 106</td>
<td>Cataloging and Classification</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Adv. required courses**</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>L.S. 202</td>
<td>Bibliog. Humanities and Soc.Sci.</td>
<td>3</td>
</tr>
<tr>
<td>L.S. 214</td>
<td>Hist. of Books and Libraries</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Elective courses (L.S.)</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>L.S. 105</td>
<td>The School Library</td>
<td>3</td>
</tr>
<tr>
<td>L.S. 108</td>
<td>Reading Interests of Children</td>
<td>3</td>
</tr>
<tr>
<td>L.S. 208</td>
<td>Reading Interests of Adolescents</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Free elective(s)</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>English xxx (e.g.)</td>
<td>Biography as Lit. Form</td>
<td>3</td>
</tr>
</tbody>
</table>

Candidate seeks: M.A.    
M.L.S. X

*Other sequences will be (1) Public; (2) College, University, and Special Lib.

**Many of the courses listed are hypothetical since they must be approved by faculty of Library School and submitted to general faculty through established channels.

2) Department of Psychology.

a) Authorize the Department of Psychology to offer Graduate Programs in Psychology, as follows:

1. Degrees offered: M.A. in Psychology; emphasis in general, clinical
M.S. in Psychological Services: Emphasis in clinical, school psychology.

(Continued on next page)
2. Curricular changes, continued.

II. M.A. in Psychology

a) All M.A. students will be required to undertake a common core program of study. Students will have an elective opportunity, beyond the core, to emphasize study in either the general or clinical areas.

The program will require thirty credits of graduate work including six credits for the thesis.

b) Program Objectives:

To prepare the student to function independently and effectively in a variety of roles such as:

- teacher at junior college
- research position
- continuing graduate work leading to a Ph.D.

III. M.S. in Psychological Services

a) A two-year terminal degree program involving emphasis upon developing the competent and ethical practice of psychological services.

Students will be trained to assume professional responsibilities in clinical service. The program is geared to provide optimal didactic and practicum experience under competent supervision. A full-time internship will be required of all students in the program during the last half of the second year. Thesis will not be required. An M.S. degree in Psychological Services will be offered with either a clinical or school psychology emphasis.

b) M.S. Professional Psychology - School.

1) The M.S. with emphasis in school psychology would meet both proposed state requirements for certification and national criteria as proposed by Division of School Psychologists (APA).

2) Candidates are expected to have had a major in psychology and/or education. All deficiencies (in terms of course prerequisites) must be made up by the student.