



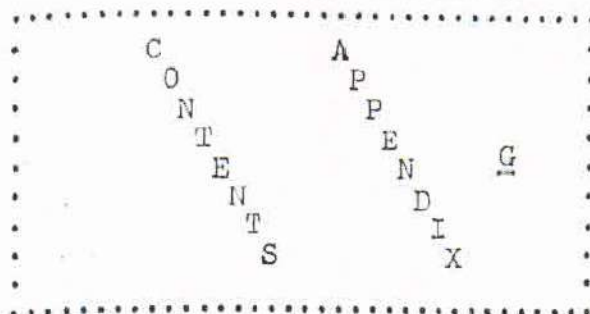
The American College, Madurai

(AN AUTONOMOUS INSTITUTION AFFILIATED TO
MADURAI KAMARAJ UNIVERSITY)

ACADEMIC COUNCIL MEETING

MARCH 26, 1981

THE AMERICAN COLLEGE: MADURAI
An Autonomous Institution Affiliated to
Madurai-Kamraj University



of the Meeting of the Academic Council, 26.3.1981

- | | <u>Page</u> |
|--|-------------|
| 1. <u>RESOLUTIONS</u> , to be introduced as amendments or changes to the Rules and Regulations, on recommendation from the Senatus.
(Resolutions R-1 through R-3) | RES-1 |
| 2. <u>RESOLUTIONS</u> , to be introduced on other non-Departmental matters, on recommendation from the Senatus.
(Resolutions R-4 through R-7) | RES-2 |
| 3. <u>RESOLUTIONS</u> , to be introduced by the various Departments, on recommendation from the Boards of Studies.
(Resolutions R-8 through R-17) | RES-4 |
| 4. Programme of Studies and Syllabi for P.G.English, to be in force from 1981-82 Academic Year. | PGE-01 |
| 5. Programme of Studies and Syllabi for P.G.English, used during 1980-81 Academic Year. | PGE-13 |
| 6. Programme of Studies, Syllabi, Regulations and Eligibility for Admission for Certificate in Tamil (part-time) and Diploma in Tamil (part-time) | TAM-01 |

R-4 (No. (80-81) / 15)

RESOLVED

- (1) to create a Board of Studies in Religion and Philosophy.
- (2) to appoint Members as follows:
 - (a) Prof. D. Yesudhan
 - (b) Assistant Prof. Christopher Sherwood
 - (c) Dr. Chana Robinson (TTS)
 - (d) Rev. Sonny Yesudian (TTS)
 - (e) Dr. Paul L. Love.
- (3) to appoint Dr. Paul L. Love to act as Chairman until March 31, 1981.
- (4) to request the Board of Studies to add to its membership in consultation with the Principal.
- (5) Request the Board of Studies to carry out the following:
 - a. Prepare a draft Programme of Studies for a B.A. in Religion & Philosophy, bearing in mind that Graduates may join TTS Postgraduate courses including B.D., M.A. courses in English, Language, Philosophy, Sociology, Psychology or Social Work.
 - b. Integrate the ETH programme of the College into the Department of Religion & Philosophy.
 - c. Examine questions of finance & resources.
 - d. Plan quantitatively for staff needs, library, classrooms, field work resources etc.
 - e. Recommendations for dates for starting the course.
- (6) to apply to the Madurai-Kamaraj University for affiliation from 1981-82 for B.A. in Religion and Philosophy.

R-5 (No. (80-81) / 37)

RESOLVED to recommend to the Academic Council the following.

The Senatus of the College shall be requested to appoint External Members of the Academic Council for terms of three academic years. All such Members shall be eligible for re-appointment. This procedure shall apply to the present External Members, appointed in 1978-79.

R-6 (No. (80-81) / 38)

RESOLVED to recommend to the Academic Council the following.

The Boards of Studies, in choosing External Members, shall limit the terms of service to three years. Such Members shall be eligible to be chosen for subsequent terms of 3 years.

6-7 (No. (80-81) / 36)

RESOLVED that the Ethical Studies Department be asked to convene a meeting of its Board of Studies to draft syllabi for the courses for Post-Graduate Students, keeping in mind the needs of the different major disciplines;

RESOLVED FURTHER that the Heads of the Post-Graduate Departments as well as the teachers who will be teaching the Courses be invited for the above Board Meeting;

RESOLVED ALSO that the syllabi passed at the Board be placed before the Senatus for approval and use during 1981-82, pending the approval of the Academic Council.

RESOLUTIONS TO BE INTRODUCED AS AMENDMENTS OR CHANGES
TO RULES AND REGULATIONS

RES-1

The Senatus has passed the following Resolutions,
recommended for confirmation and adoption by the Academic Council.

R-1 (No. (80-81) / 31)

RESOLVED to adopt the following from 1981-82 Academic Year:

- (1) The ratio of internal (continuous) assessment to the final (end-of-semester) examination will normally be 50:50 in theory papers, and 100% continuous in Practicals and Projects. Exceptions may be prescribed by the respective Post-Graduate Studies in consultation with the Dean of Academic Affairs, and reported to the Academic Council.
- (2) The internal (continuous) assessment for theory work will be made on the basis of written tests (other than end-of-semester examinations), assignment, quizzes or viva-voce or seminar, as prescribed by the various Post-Graduate Boards of Studies in consultation with the Dean of Academic Affairs, and reported to the Academic Council.
- (3) The number and nature of tests (other than end-of-semester examinations), assignments, quizzes or viva-voce or seminar in each discipline will be decided by the concerned Post-Graduate Board of Studies in consultation with the Dean of Academic Affairs and reported to the Academic Council.
- (4) In each Semester, the marks for tests (other than end-of-semester examinations), assignment, quizzes or viva-voce or seminar will be in the ratio of 30:10:10 respectively, or as prescribed by the concerned Post-Graduate Board of Studies in consultation with the Dean of Academic Affairs, and reported to the Academic Council.

R-2 (No. (80-81) / 30)

RESOLVED that Rules and Regulations No. 18 be revised to read as follows, and the Academic Council be requested to consider this change, effective June 1981:

"A candidate who fails in a Final (end-of-semester) examination can take a repeat examination which will be held for all courses in the College during a special examination period during the summer before the re-opening of the College, or at any time when examinations for the course in question are normally given for fresh candidates. However, candidates studying in the III Year of the degree programmes will not be allowed to write repeat examinations for I Year courses at the times when fresh I Year candidates are examined".

(The remainder of Rule 18 to continue without alteration).

R-3 (No. (80-81) / 39)

RESOLVED with effect from 1981-82 to alter Rule 18 to permit students of courses offered by U.G. English, Tamil, Hindi, and French Departments to answer their Final Examinations using the originally-prescribed textbooks for four consecutive times only. Thereafter arrears students will follow current textbooks for Final Examinations.

RES-4

RESOLUTIONS TO BE INTRODUCED FROM DEPARTMENTS

TAMIL:

R-8 RESOLVED to offer from 1981-82 the Courses TAM 375 (Creative Writing) and TAM 376 (Public Speaking) in both odd and even semesters.

R-9 RESOLVED to adopt the Syllabi and Regulations for Certificate in Tamil (Part-time) and Diploma in Tamil (Part-time) as shown in Appendix-G pages - TAM 01 to TAM 03, to replace those of Appendix-E of the Academic Council.

CHEMISTRY(U.G.):

R-10 RESOLVED to interchange the places of CHE 322 (Industrial Chemistry) and CHE 332 (Industrial Chemistry Laboratory) in the VI Semester Programme of Under-graduate studies in Chemistry as given in Appendix-F and that same be effective from the academic year 1981-82.

(The effect of this resolution will be to make CHE 322 a compulsory course for all Chemistry Major students and CHE 332 an optional course for Chemistry and other Science majors).

R-11
(a) RESOLVED that with reference to Course CHE 251 Bio-organic Chemistry and CHE 252 Bio-physical Chemistry the restriction that these courses are for 'science students other than chemistry major students' be removed by dropping (a) "other than Chemistry major" in page CHE 02 after II in Appendix-F and (b) the description "Chemistry for other Sciences I and II" from under the courses in the same page and that the same be effective from the academic year 1981-82.

(b) RESOLVED ALSO to make appropriate changes in the wording of the course description in the light of the above resolution R-11(a).

BOTANY: Resolution referred from Senatus (80-81)/27.

R-12 RESOLVED to adopt the changes below, for Botany majors:

I. Change in Course Numbers :

a. The following changes in course numbers are to be incorporated in Appendix-F (Renumbering):

<u>TITLE</u>	<u>Course number given</u>	<u>Changed to</u>
TAXON	BOT 101	BOT 111
PHYCOL	BOT 102	BOT 112
ANATO	BOT 103	BOT 113
MYCOL	BOT 104	BOT 114
TANATLAB-I	BOT 105	BOT 115
PHYMYLAB-II	BOT 106	BOT 116
PTERIDOL	BOT 201	BOT 211
CELBIOL	BOT 202	BOT 212
GYMNO	BOT 203	BOT 213
BIOPHYS	BOT 204	BOT 214
EMBRYOL	BOT 205	BOT 215
MICROL	BOT 206	BOT 216
PEGEMLAB-III	BOT 207	BOT 217
CEBIMLAB-IV	BOT 208	BOT 218
BRYOL	BOT 209	BOT 219
PATHOL	BOT 210	BOT 220

- b. The following changes in programme are to be incorporated in Appendix-D for 1978-series students. RES-5

V SEMESTER :

Course No.		Theory Courses Title	Hrs.	Credit
BOT	319	Biotechniques		
"	114	Mycology	2	30
"	216	Microbiology	3	50
"	306	Applied Botany	3	50
"	303	Plant Physiology-I	3	50
"	312	Fresh Water Ecology	3	50
	313	Projects in Taxonomy or	3	50
	315	Cytogenetics or	3	50

VI SEMESTER :

BOT	317	Farm Management		
"	215	Embryology	4	60
"	314	Applied Microbiology	3	50
"	305	Bioprinciples	3	50
"	302	Environmental Biology	3	50
"	311	Advance Anatomy or	4	60
"	316	Horticulture or		
"	304	Plant physiology II	3	50

(This change is in view of the old course numbers denoting two different subjects in Appendix - D & F.)

- I. Syllabi: a. The syllabi for 1978-79 students for the theory course BOT 319 - Biotechniques is given below for ratification.

pH meter uses and operation; Colorimeter uses and operation; Incubator-handling and advantages; Chromatography - 3 types; Electrophoresis - general methods of operation and uses.

b. The syllabi for Lab courses that were bifurcated from theory-cum-laboratory courses for 1978-79 series students are also given below:

BOT 380 Lab for BOT 319 BIOTECHNIQUES

1. pH meter-uses and operation
2. Colorimeter- uses and operation;
3. Incubator - handling and advantages.
4. Chromatography three types - paper, TLC and Column;
5. Electrophoresis a general method of operation and uses.

BOT 381 Lab for BOT 114 MYCOLOGY

Under Mycology students will be trained in identification of phycimycetism, ascomycetes, Basidiomycetes and Deuteromycetes - at least two types in each. Microslides preparation and culture techniques.

BOT 382 LAB for BOT 216 MICROBIOLOGY

Microbiological techniques of sterilization, medium preparation culture techniques and microbial genetics staining techniques, Cell counting colony morphology antibiosis will be covered.

BOT 383 LAB for BOT 306 Applied Botany:

Basic features of horticulture, plant propagation methods such as grafting, budding, layering and cuttings; Practical training in greetings card preparation, flower arrangement, fruit arrangement. Preservation of fruit and vegetables will be covered.

BOT 304 LAB for BOT 303 PLANT PHYSIOLOGY - I

The course deals with soil studies, absorption of H_2O and minerals, transpiration, respiration, stomatal index, photosynthesis and enzyme studies.

BOT 305 LAB for BOT 312 FRESH WATER ECOLOGY:

The course envisages pond study such as morphometry analyses of O_2 , Carbonate and chloride aquatic flora zooplanktons and phytoplankton will be studied. Pollution studies of water.

BOT 306 LAB for BOT 313 PROJECTS IN TAXIDROMY:

Analysis of the campus flora floristic studies developing skill of identification of flowering using flora such as Flora of the Presidency of Madras by Gamble and Flora of the British India, Hooker. Study of the Herbarium techniques.

BOT 307 LAB for 312 CYTOGENETICS.

Preparation of various culture media for the growth of *Drosophila*, *Mucospora* and *Aspergillus*. Genetic studies of various mutant strains of *Drosophila* and *Neurospora*.

BOT 308 LAB for BOT 312 - EMBRYOLOGY :

The students will be trained in identifying the stages in the development of male and female reproductive structures of angiosperms through permanent slides. Dissection of embryos of *Tridax*, *Brassica* and *Cleome* is also included. Stress has been laid on Paleontology with reference to staining and collection procedures.

BOT 309 LAB for BOT 314 - APPLIED MICROBIOLOGY:

The course covers the study of micro-organisms in the soil, air and water; their cultural methods and growth. Microflora of milk and sewage water will be studied. Techniques involved in food preservation will be studied in detail.

BOT 302 LAB for BOT 305 - BIOPRINCIPLES:

Biophysical and biochemical studies in specific metabolic pathways such as photosynthesis and respiration will be studied. Molecular genetics using microbes and photobiology such as responses of plants to light will be covered.

BOT 303 LAB for BOT 302 - ENVIRONMENTAL BIOLOGY:

This course deals with the study of ecosystem and the adaptations exhibited by plants due to various habitat through micropreparation of plant parts. Methods of studying the vegetation such as quadrat, line transect and random sampling will be studied. Details regarding edaphic factors are studied with reference to sieve methods, estimation of carbonates, sulphates and determination of pH.

BOT 304 LAB for BOT 311 - ADVANCED ANATOMY:

This covers principles of microtomy such as processing of plant materials, infiltration, staining and mounting. Stress is laid on Xylotomy with reference to Six economically important timbers and their identification. Further anatomical characters aiding in taxonomical classification like trichomes, stomata, anomalous features of vasculature and nodal anatomy will be dealt with.

BOT 305 LAB for BOT 316 - HORTICULTURE:

The students are expected to learn to plan kitchen garden in the College campus. They receive training to use the garden implements, and learn the technique of plant propagation methods and hybridization techniques.

BOT 306 LAB for BOT 304 - PLANT PHYSIOLOGY II.:

It includes plant growth studies using Klinostat, effect of growth promoters such as gibberellins, IAA and weedicides on the growth of plants, seed dormancy studies. Percentage germinations will be dealt. Circadian rhythm, photoperiodism and vernalization will be studied.

- III. Change in Course Title : It is recommended that the title of the course BOT 317 - Farm management - vide Appendix-D be changed to BOT 317 - Crop production and management. The syllabus remains the same. RES-7
- IV. Elective for the 1979 students (VI Semester) : It is recommended to treat BOT 317 Farm management - vide Appendix-D as an elective - BOT 317 Crop production and management/SCI/HUM/LAN. This option is thrown open to enable the 79-series students who were not given option in the IV-semester - BOT 202 Economic Botany/SCI/HUM/LAN
- V. Elective courses for HUM/LAN major students :

Elective courses BOT 001 - Basic Botany I and BOT 002 - Basic Botany II may please be dropped and Instead the following two courses BOT 004 and BOT 005 namely AGRICULTURAL BOTANY & WONDER PLANTS respectively, may please be introduced from 81-'82 onwards. The descriptive syllabi are given below.

BOT 004 - AGRICULTURAL BOTANY : (AGRI BOT) -
Soil and water management ; Types and the time of application of manures and fertilizers including biofertilizers; plant cultivation methods and application of hormones; diseases and their control measures; crop protection methods such as employment of pesticides and weedicides and herbicides; elements of horticulture are also included with reference to floriculture, olericulture and pomology. The importance of Kitchen garden and the utilisation of Gobar gas are also dealt with.

BOT 005 - WONDER PLANTS : (WON PLANT) :

This course includes insectivores, parasites and epiphytes. It also deals with sensitive plants, fossil plants and their derivatives such as coal, petrol etc. It also covers topics on pollination, dispersal mechanisms, hormones and their importance. It further incorporates details regarding tallest, broadest, oldest and smallest plants including giant sea weeds and kelps. Other interesting topics like predator fungi, bioluminescence, biorhythm, wonder drugs from plants are also included. Water relationship of plants and food production procedures by plants will also be dealt with.

VI. Courses/Not counted for class :

Besides the electives, the following courses under Part III as per Appendix-D will not be counted for class for 1978 and 79 series students.

BOT 201; BOT 202; BOT 317; BOT 319 & BOT 380

COMMERCE:

13. RESOLVED to introduce COM 211 (ACCOUNTANCY) for 4 Hrs, 60 credits in lieu of COM 305 (AUDITING) for COM 79 series only.
14. RESOLVED to shift COM 211 (ACCOUNTANCY-III) 4 Hrs., 60 credits from Semester III to Semester V and to shift COM 305 (AUDITING) 6 hrs., 90 credits, from Semester V to Semester III for COM 80-series. For this series COM 203 is changed to 6 hrs., 90 credits, and COM 207 is changed to 7 hrs., 105 credits.

RES-8

POST-GRADUATE ENGLISH:

R-15 Resolution referred from Senatus (80-81) / 9

RESOLVED to accept the revised course list and the revised syllabi shown in PGE-13 to PGE-16 of Appendix-G for the M.A.English as prepared by the P.G.English Board of Studies in the place of the existing syllabus in Appendix-F of the Academic Council minutes of April 1980 meeting, subject to the approval of the Academic Council at its next meeting.

R-16 Resolution referred from Senatus (80-81) / 35

RESOLVED to accept the programme and the syllabus presented by Dr.Paul L.Love from the Board of Studies in Post-Graduate English as shown in PGE-01 to PGE-11 in Appendix-G for use from 1981-82.

POST-GRADUATE PHYSICS:

R-17 RESOLVED that the relative weightage of Tests, Quizzes and Assignments for the Second Semester 1980-81 will be 20:20:10 for Post-Graduate Physics, including M.Phil.