

Republika ng Pilipinas
(Republic of the Philippines)
MINISTRI NG EDUKASYON AT KULTURA
(MINISTRY OF EDUCATION AND CULTURE)
Maynila

December 15, 1980

MEC M E M O R A N D U M
No. 235, s. 1980

TUP-MEC GRADUATE STUDY GRANT

To: Bureau Directors
Regional Directors
Chiefs of Services and Heads of Units
Schools Superintendents
Presidents, State Colleges and Universities
Heads of Private Schools, Colleges and Universities

1. The Ministry of Education and Culture announces the opening of a new scholarship program, the TUP-MEC Graduate Study Grant, at the Technological University of the Philippines (TUP) formerly referred to as PCAT, Ayala Boulevard, Manila, starting the summer of 1981.
2. The TUP-MEC Graduate Study Grant is designed for qualified teachers, supervisors, administrators and other school-related personnel concerned with educational development functions to upgrade themselves and cope with the demands accompanying the educative process.
3. The TUP-MEC Graduate Study Grant consists of seventy (70) slots apportioned as follows:

National Capital Region; 4 per division 16 slots
Manila
Quezon City
Pasay City
Caloocan City

12 Regions; 4 per region 48 slots
National Trade School
Secondary Education
Elementary Education
Private Vocational-Technical School

State Colleges and Universities 6 slots

4. In the event that the regional director fails to recommend and/or the recommendee fails to qualify for the TUP-MEC Graduate Study Grant, the slots will be reassigned to the NCR upon the discretion of the TUP-MEC Screening Committee.

5. The TUP will grant the scholars free tuition and the MEC will grant them official time only.

6. The scholars will be required to serve their respective divisions/offices according to the conditions stipulated in the contract.

7. It is desired that the contents of this Memorandum and its inclosures be disseminated to all concerned; and necessary action be made to prepare the recommendees for the immediate processing of their papers.

(SGD.) ONOFRE D. CORPUZ
Minister of Education and Culture

Incls.:

As stated

Reference:

N o n e

Allotment: 1-2-3-4--(D.O. 1-76)

To be indicated in the Perpetual Index
under the following subjects:

FEES
OFFICIALS
SCHOLARSHIP
TEACHERS
UNIVERSITIES and COLLEGES

TUP-MEC GRADUATE STUDY GRANT
A PROJECT CONCEPT

The country is presently engaged in a massive effort of staff development as a phase toward social and economic development. The Technological University of the Philippines has consistently contributed its share in the nation's investment in human resource development at all levels - in skill training, in the professions and in advanced education. This proposed study scheme is in consonance with this continuing endeavor.

RATIONALE

1. Schools are increasingly called upon to fulfill more development - oriented functions. This makes it imperative for teachers, administrators and other school personnel to upgrade themselves in the new demands accompanying the educative process.
2. Slots in the TUP-MEC LEAP Scholarship scheme and those allocated in cooperation with the PASUC are not fully utilized due to financial constraints imposed on the sponsoring agencies. While the university provides for free tuition, the sponsor pays the grantee, in addition to his regular salary, his book allowance and monthly stipend.
3. A scheme is needed that can strike a negotiable compromise between the needs of school personnel for upgrading and the limited resources of the sponsoring agency/school. The proposed scheme only requires that grantees be on official release time.

PROJECT DESCRIPTION

The following are the features of the proposed scholarship scheme.

1. Privileges

These are essentially tuition-free grants open to qualified students who will study on official-release time only.

2. Programs Open

Grantees can pursue degrees in any of the following graduate courses:

Doctor of Education (Ed.D)
Master of Arts in Industrial Education (MAIE)
Master of Arts in Teaching (MAT)
Master of Industrial Education (MIE) MAIE without thesis
Master of Teaching (MT) - MAT - without thesis

3. Duration of the Grant

The duration of the grants will be:

- (a) Toward the Masteral degree - 2 semesters and 2 summers
- (b) Toward the Doctoral degree - 4 semesters and 2 summers

4. Qualification of Grantees

The recipient of this grant must have satisfied the criteria of the nominating agency.

5. Procedure for Application and Requirements for Admission

- (a) The sponsoring agency submits to the TUP its nominee for the grant. Nominations should reach the university at least one month before the opening of a term.
- (b) Each nomination should be supported by:
 - Original copy of official transcript of records from the university last attended.
 - Scholarship agreement signed by the nominee, the head of his agency or institution and the superintendent or regional director under whose jurisdiction his school falls.
 - Four (4) copies of the inclosed form duly accomplished by the nominee and certified to by the head of his office.
- (c) The TUP evaluates the credentials of the nominees and recommends to the MEC its choices.
- (d) The MEC conducts its own screening and subsequently sends official notice to the recipients through their agency and duly informs the TUP.

6. Distribution of the Slots

The seventy (70) scholarship slots under the grant to be distributed/allotted as follows:

National Capital Region: 4 per division	16
Manila	4 slots
Quezon City	4 "
Pasay City	4 "
Caloocan City	4 "
12 Regions: 4 per region	48
National Trade School ..	1 slot
Secondary Education ...	1 "
Elementary Education ...	1 "
Private Voc-Tech. School	1 "
State Colleges and Universities	6

7. Impact

With this scheme, the TUP contributes to the national effort at staff development for schools through the turnout of upgraded teachers, knowledgeable supervisors and innovative administrators of development-oriented schools.

(Inclosure No. 2 to MEC Memorandum No. 235, s. 198C

Technological University of the Philippines
GRADUATE SCHOOL
M a n i l a

MASTER OF ARTS IN INDUSTRIAL EDUCATION (MAIE)
Major in ADMINISTRATION and SUPERVISION*

Basic	12 units
Major	15 units
Electives	6 units
Thesis	6 units
Total	39 units

Basic : (All are required) 12 units

- IE 501 Philosophy of Education
- IE 502 Psycho-Social Foundation of Education
- IE 503 Statistics in Education
- IE 504 Research in Education

Major : (Any 5 of the following) 15 units

- IE 506 Administration of Educational Institutions
- IE 507 Personnel Administration
- IE 508 Fiscal Administration
- IE 509 Educational Planning
- IE 510 Public Administration
- IE 511 Human Behavior in Organization
- IE 512 Supervision of Instruction

Electives: (Any 2 of the following) 6 units

- IE 513 Crafts and Product Design
- IE 514 Current Trends, Problems and Issues
in Education
- IE 515 Principles and Practices of College Teaching
- IE 516 Curriculum Development
- IE 517 Manpower Development
- IE 518 Personality Adjustment and Mental Hygiene

Thesis Writing (IE 599) 6 units

*Geared towards the development of Vocational/Technical
Practical Arts System of Education

Technological University of the Philippines
GRADUATE SCHOOL
M a n i l a

MASTER OF ARTS IN INDUSTRIAL EDUCATION (MAIE)

Major in CURRICULUM and INSTRUCTION*
(of work-oriented program)

Basic	12	units
Major	15	"
Electives	6	"
Thesis	6	"
Total	39	units

Basic : (All are required) 12 units

- IE 501 Philosophy of Education
- IE 502 Psycho-Social Foundations of Education
- IE 503 Statistics in Education
- IE 504 Research in Education

Major : (Any 5 of the following) 15 units

- IE 509 Educational Planning
- IE 511 Human Behavior in Organization
- IE 512 Supervision of Instruction
- IE 516 Curriculum Development

- IE 526 Educational Technology
- IE 527 Curriculum and Instruction Evaluation
- IE 528 Models of Instruction

Electives : (Any 2 of the following) 6 units

- IE 506 Administration and Supervision
- IE 507 Personnel Administration
- IE 513 Crafts and Product Design
- IE 514 Current Trends, Problems and Issues in Education
- IE 515 Principles and Practices of College Teaching

Thesis Writing (IE 599) 6 units

*Geared towards the development of Vocational/Technical/
Practical Arts System of Education

TECHNOLOGICAL UNIVERSITY OF THE PHILIPPINES
M a n i l a

CURRICULUM FOR MASTER OF ARTS IN TEACHING HOME ECONOMICS*

A.	Basic Courses	9 units
	MAT 501 - - Foundations of Education (Philosophical, Sociological and Psychological)	3
	IE 503 - - Educational Statistics	3
	IE 504 - - Research Techniques and Thesis Writing	3
B.	MAT 529 A - Seminar in Teaching I MAT 529 B - Seminar in Teaching II	6 units
	(Education graduates may take 6 units of cognates in lieu of a Seminar in Teaching)	
C.	Major Courses	15 units
	Required (9 units):	
	MAT 537 - - Food and Nutrition Management	3
	MAT 538 - - Quantitative Cookery and Cafeteria Management	3
	MAT 539 - - Advanced Garment Design and Construction	3
	Choice of any two (6 units):	
	MAT 540 - - Mass Production Techniques and Practices	3
	MAT 541 - - Housing and Family Management	3
	MAT 542 - - Applied Arts and Creative Arts	3
	IE 516 - - Curriculum Development	3
	IE 509 - - Seminar in Educational Planning	3
	IE 607 - - Human Resources Development	3
D.	MAT 599 - - Special Problem(s)	6 units
	Total	36 units

Summary:

A.	Basic Courses	9 units
	B. Seminar in Teaching	6 "
	C. Major Courses	15 "
	D. Thesis/Special Problem(s)	6 "
	Total	36 units

*Approved by the Minister of Education
and Culture, December 27, 1978

TECHNOLOGICAL UNIVERSITY OF THE PHILIPPINES
M a n i l a

CURRICULUM FOR MASTER OF ARTS IN TEACHING MATHEMATICS*

A.	Basic Courses	9 units
	MAT 501 - - Foundations of Education 3 (Philosophical, Sociological and Psychological)	
	IE 503 - - Educational Statistics 3	
	IE 504 - - Research Techniques and Thesis Writing 3	
B.	MAT 529 A - Seminar in Teaching I 6 units MAT 529 B - Seminar in Teaching II 6 units (Education graduates may take 6 units of cognates in lieu of a Seminar Teaching)	
C.	Major Courses	15 units
	Required (9 units):	
	MAT 543 - - Linear Algebra 3	
	MAT 544 - - Coordinate Geometry 3	
	MAT 545 - - Advanced Calculus I 3	
	Choice of any two (6 units):	
	MAT 546 - - Advanced Calculus II 3	
	MAT 547 - - Vectors and Matrices 3	
	MAT 548 - - Modern Algebra 3	
	MAT 549 - - Modern Geometry 3	
	MAT 550 - - Introduction to Probability 3	
	MAT 551 - - Theory of Rings 3	
	MAT 552 - - Theory of Groups 3	
	IE 516 - - Curriculum Development 3	
	IE 509 - - Seminar in Educational Planning 3	
	IE 607 - - Human Resources Development 3	
D.	MAT 599 - - Special Problem(s)	6 units
	Total - -	<u>36 units</u>

Summary:

A.	Basic Courses	9 units
B.	Seminar in Teaching	6 "
C.	Major Courses	15 "
D.	Thesis/Special Problem(s)	<u>6 "</u>
	Total	36 units

*Approved by the Minister of Education
and Culture, December 27, 1978

Technological University of the Philippines
GRADUATE SCHOOL
M a n i l a

MASTER OF ARTS IN INDUSTRIAL EDUCATION (MAIE)
Major in GUIDANCE and COUNSELLING*

Basic	12	units
Major	18	"
Electives	6	"
Thesis	6	"
Total		42 units

Basic : (All are required) 12 units

- IE 501 Philosophy of Education
- IE 502 Psycho-Social Foundations of Education
- IE 503 Statistics in Education
- IE 504 Research in Education

Major : (Any 6 of the following) 18 units

- IE 518 Personality Adjustment and Mental Hygiene
- IE 519 Principles and Techniques of Guidance
- IE 520 Counselling Methods and Techniques
- IE 521 Career Education
- IE 522 Group Guidance
- IE 523 Appraisal Techniques in Guidance
- IE 524 Management of Guidance Programs
- IE 525 Practicum in Guidance (required)

Electives : (Any 2 of the following) 6 units

- IE 507 Personnel Administration
- IE 509 Educational Planning
- IE 510 Public Administration
- IE 511 Human Behavior in Organization
- IE 512 Supervision of Instruction
- IE 514 Current Trends, Problems, and Issues in Education
- IE 516 Curriculum Development

Thesis Writing (IE 599) 6 units

*Geared towards the development of Vocational/Technical/
Practical Arts System of Education

TECHNOLOGICAL UNIVERSITY OF THE PHILIPPINES
M a n i l a

CURRICULUM FOR MASTER OF ARTS IN TEACHING PRACTICAL ARTS*

- A. Basic Courses 9 units
- MAT 501 - - Foundations of Education 3
 (Philosophical, Sociological
 and Psychological)
- IE 503 - - Educational Statistics 3
- IE 504 - - Research Techniques and Thesis
 Writing 3
- B. MAT 529 A - Seminar in Teaching I 6 units
- MAT 529 B - Seminar in Teaching II 6 units
 (Education graduates may take 6 units of
 cognates in lieu of a Seminar in Teaching)
- C. Major Courses 15 units
- Required (9 units):
- MAT 530 - - Seminar in Agricultural Arts 3
- MAT 531 A - Seminar in Industrial Arts 3
- MAT 532 B - Seminar in Business and
 Distributive Arts 3
- Choice of any two (6 units):
- IE 513 - - Seminar in Craft and Product
 Design 3
- MAT 533 - - Seminar in Consumer Education 3
- MAT 534 - - Seminar in Entrepreneurship
 Development 3
- MAT 535 - - Seminar in Home Mechanics 3
- MAT 536 - - Seminar in Voc. Tech. Education 3
- IE 604 - - Comparative Education 3
- IE 514 - - Current Trends, Problems and
 Issues in Education 3
- IE 607 - - Human Resources Development 3
- D. MAT 599 - - Special Problem(s) 6 units
- Total 36 units

Summary:

A. Basic Courses	9 units
B. Seminar in Teaching	6 units
C. Major Courses	15 units
D. Thesis/Special Problem(s)	<u>6 units</u>
Total	<u>36 units</u>

*Approved by the Minister of Education and Culture, December 27, 1978.

TECHNOLOGICAL UNIVERSITY OF THE PHILIPPINES
M a n i l a

CURRICULUM FOR MASTER OF ARTS IN TEACHING CHEMISTRY*

A.	Basic Courses	9 units
	MAT 501 - - Foundations of Education3 (Philosophical, Sociological and Psychological)	
	IE 503 - - Educational Statistics 3	
	IE 504 - - Research Techniques and Thesis Writing 3	
B.	MAT 529 A - Seminar in Teaching I) MAT 529 B - Seminar in Teaching II)	6 units
	(Education graduates may take 6 units of cognates in lieu of Seminar in Teaching	
C.	Major Courses	15 units
	Required (9 units):	
	MAT 553 - - Chemistry in Secondary School I . . . 3 (Modern Chemistry)	
	MAT 554 - - Intensive Laboratory Course in Chemistry I 3	
	MAT 555 - - Technical Analysis 3 (Analytic Chemistry)	
	Choice of any two (6 units):	
	MAT 556 - - Chemistry in Secondary Schools II . 3 (Analytic Chemistry)	
	MAT 557 - - Intensive Laboratory Course in Chemistry II 3	
	MAT 558 - - Tech. Analysis Laboratory 3	
	MAT 559 - - Selected Topics in Chemistry 3 (Applied Industrial Chemistry Pollution, Energy Conservation)	
	IE 604 - - Comparative Education 3	
	IE 514 - - Current Issues and Trends in Education 3	
	IE 607 - - Human Resources Development 3	
D.	MAT 599 - - Special Problem(s)	6 units
	Total	<u>36 units</u>
Summary:		
	A. Basic Courses	9 units
	B. Seminar in Teaching	6 units
	C. Major Courses	15 units
	D. Thesis/Special Problem(s)	6 units
	Total	<u>36 units</u>

*Approved by the Minister of Education
and Culture, December 27, 1967

TECHNOLOGICAL UNIVERSITY OF THE PHILIPPINES
M a n i l a

CURRICULUM FOR MASTER OF ARTS IN TEACHING NON-FORMAL EDUCATION*

A.	Basic Courses	9 units
	MAT 501 - - Foundations of Education 3 (Philosophical, Sociological and Psychological)	
	IE 503 - - Educational Statistics 3	
	IE 504 - - Research Techniques and Thesis Writing 3	
B.	MAT 529 A - Seminar in Teaching I	6 units
	MAT 529 B - Seminar in Teaching II	
C.	Major Courses	15 units
	Required (9 units):	
	MAT 574 - - Overview of Non-Formal Education in the Philippines 3	
	MAT 575 - - Psychology of Non-Formal Edu- cation 3	
	MAT 576 - - Principles, Methods and Techniques of Non-Formal Education 3	
	Choice of any two (6 units):	
	MAT 577 - - Comparative Non-Formal Edu- cation 3	
	MAT 578 - - Curriculum Development in Non-Formal Education 3	
	MAT 579 - - Community Organization and Management 3	
	MAT 580 - - Administration and Supervision of Non-Formal Education Programs 3	
	MAT 581 - - Practicum in Non-Formal Edu- cation 3	
	IE 514 - - Current Issues and Trends in Education 3	
	IE 607 - - Human Resources Development - 3	
D.	MAT 599 - - Special Problem(s)	6 units
	Total	<u>36 units</u>
Summary:		
	A. Basic Course	9 units
	B. Seminar in Teaching	6 "
	C. Major Courses-	15 "
	D. Thesis/Special Problem(s)	6 "
	Total	<u>36 "</u>

*Approved by the Minister of Education and Culture, December 27, 1978.

Technological University of the Philippines
GRADUATE SCHOOL
Manila

CURRICULUM FOR THE DOCTOR'S DEGREE

- I. Basic Courses 12 units
- IE 601 Philosophical Foundation of Education 3
 - IE 602 Advanced Research in Education 3
 - IE 603 Advanced Statistics in Education 3
 - IE 604 Comparative Industrial Education 3

- II. Major Courses 24 units

(Any 8 of the following):

- IE 605 Theories and Concepts of Educational Management 3
- IE 606 Administrative and Supervisory Behavior in Management 3
- IE 607 Human Resource Development 3
- IE 608 Problems in Educational Finance 3
- IE 609 Administration and Supervision of Practical Arts 3
- IE 610 School Plant Management 3
- IE 611 Systems Approach in Programming 3
- IE 612 Student Selection, Admission and Evaluation 3
- IE 613 Supervision of Student Teaching and On-the-Job Training 3
- IE 614 Administration of Technical and Vocational Education 3
- IE 615 Seminar in Institutional Planning 3
- IE 616 Legal Basis of Education 3

- III. Cognates - 12 Units

- A. Public Administration - Any 2 of the following: 6 Units

- IE 623 Current Issues and National Development 3
- IE 624 Seminar in Administrative Theory and Development 3
- IE 625 Application of Administrative Theory and Practice 3
- IE 626 Fiscal Policy in Development Economy 3

- IE 627 Urban and Regional Planning 3
- IE 628 Problems of Governmental Budgeting. . . 3
- IE 629 Industrial Planning 3
- IE 630 Manpower Dev. for Industrialization . 3

B. Business Administration - Any 2 of the following: 6 units

- IE 631 Economic Development 3
- IE 632 Theory of Price 3
- IE 633 Public Finance in Development
Economy 3
- IE 634 Production Management 3
- IE 635 Marketing Management 3
- IE 637 Human Relations in Business
Administration 3
- IE 636 Management Accounting 3

IV. Dissertation 12 units

T o t a l 60 units