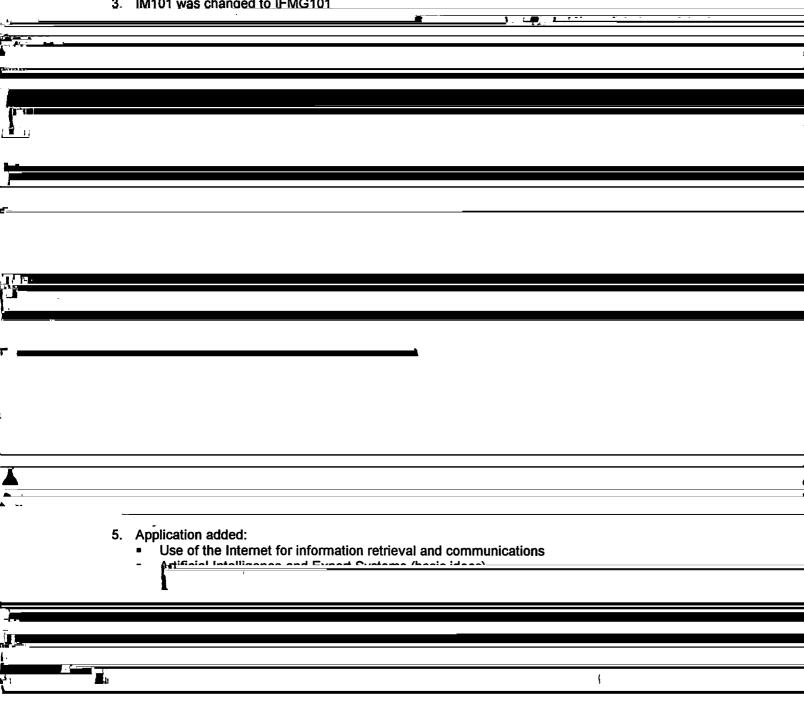


Part II Description of Curriculum Change

1. New Syllabus of Record

See Attachment A the new syllabus of record.

- 2. Summary of the proposed revision
 - 1. BE101 was changed to BTED101
 - 2. CO101 was changed to COSC101
 - 3. IM101 was changed to IFMG101



NEW COSC 101 Syllabus of Record

T. Catalog Description	
COSC101 Microbased Computer Literacy	
COSC101 Microbased Computer Literacy IFMG101	3 class hours
	0 lab hours
	3 credits
	3c-0l-3cr
An introductory course designed to provide students with a fundamental u	
computers. The course familiarizes students with the interaction of computers.	
software. Emphasis is placed on the application of microcomputers, the use software (word processing, spreadsheet management, file and database necessity).	se or productivity nanagement
nresentation utaupics web humsers search strategies and e-maill and t	ha social and othical
property of the impact of computers or conicts. (Decompt toward O	
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D. **Major Applications**

	a. Fundamental Concepts ந இஞ்டு ≙ppligations	
	c. Integration	
2.	Electronic Spreadsheets 2 Fundamental Concents	5 hours
	b. Basic Applications c. Integration	
3.	Record and File Management Systems a. Fundamental Concepts b. Basic Applications	1 hour
4.	Database Management Systems a. Fundamental Concepts b. Basic Applications c. Integration	4 hours
5.	Presentation Graphics Applications and Integrated Software a. Fundamental Concepts b. Basic Applications c. Integration	4 hours
<u> </u>	Ing of the Internal for Internaction Detrieval	

and Communications

Fundamental Concepts
Basic Applications

3 hours

Other Demonal Lies Anniisations Saftures

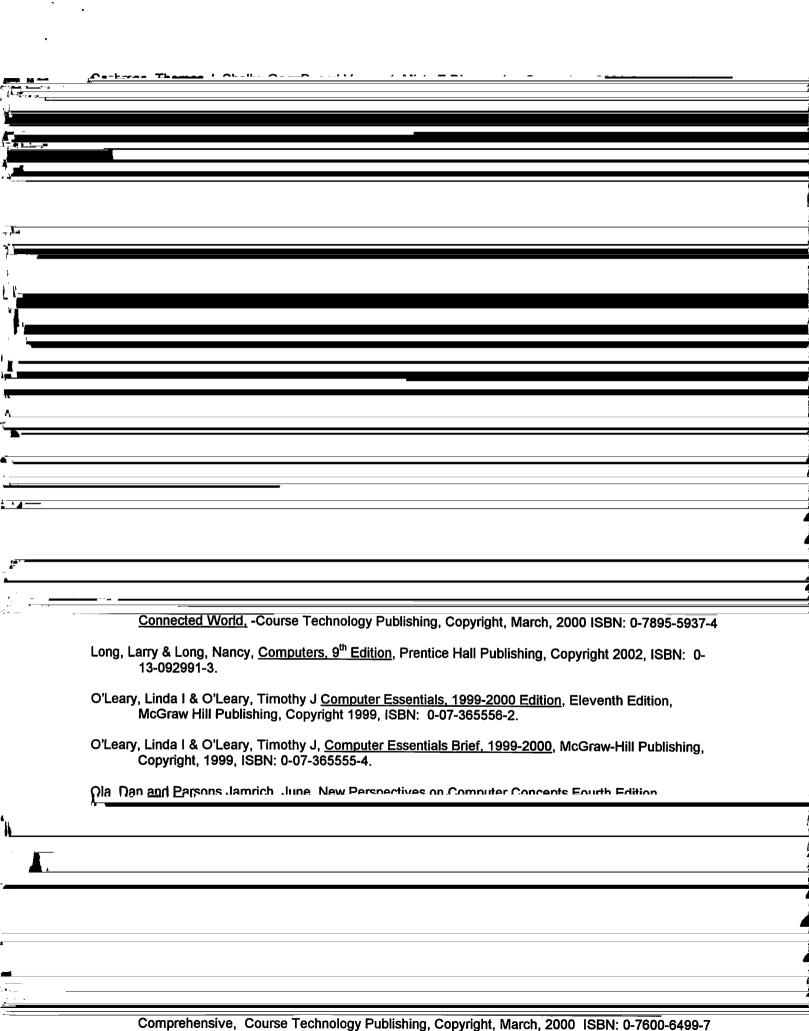
	l.	Class Tests	2 hours
	••	Total =	
		i Ulai –	42 hours
IV.	Ev	aluation Methods	
The	final g	rade for the course will be determined as follows:	
			Suggested Persentage
			- <u> </u>
<u> </u>	-	<u></u>	
		spreadsheets, database management, presentation graphics and electronic mail.	
2	•	Reaction papers and book review. Library and Internet search and reaction to articls dealing with	30 – 40%
(**** ********************************		4 gain	

papers of this nature.

44. -

3. Quizzes and homework assignments

ă.



Stoll, Cliff, Silicon Snake Oil, Published by Anchor Books, Copyright, 1995,

Stoll, Cliff, <u>The Cuckoo's Egg</u>, Published by Pocket Books, Copyright 1990, Valovic, Thomas <u>Digital Mythologies</u>, Rutgers University Press, Copyright, 2000.

VI. Special Resource Requirements (for students)

Zip diskettes and CDR

VII. Bibliography

In addition to the above texts, following is a list of video resources used in preparation of this course material.

<u>Criminals in Cyberspace</u>, 20th Century with Mike Wallace. An A&E Home Video. Copyright 1996. Approximately 50 minutes, VHS Documentary, Cat No. AAE-21507.

<u>Understanding Computing</u>, Discovery Channel School, Approximately 51 minutes/2 segments, Copyright 1997 Discovery Communications, Inc. ISBN 1-56331-629-3.

Justification of the revision

Attachment B

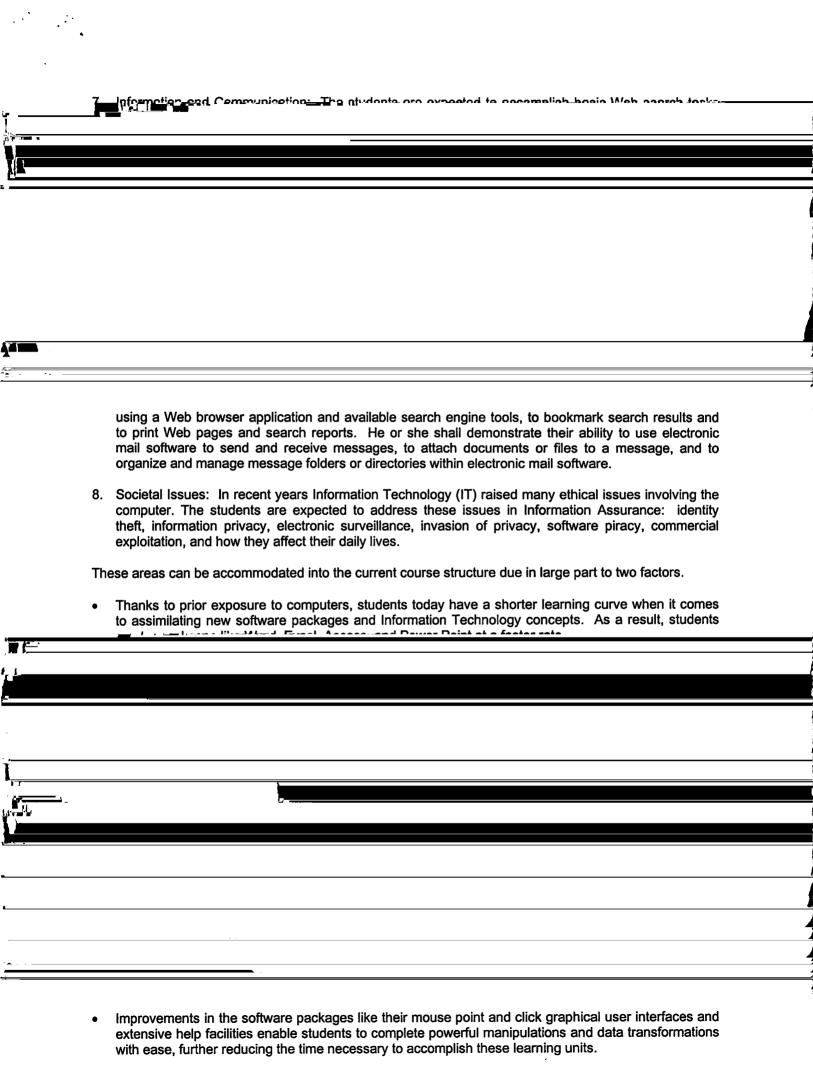
IUP introduced Microbased Computer Literacy to its curriculum in 1989. Its goal was to give students the following knowledge set:

- 1. Basic Concepts of Information Technology: A student is expected to know about the basic physical make-up of a personal computer and understand some of the basic concepts of IT such as data storage and memory, the context for computer-based software applications in society, and the users of information networks within computing. He or she shall also appreciate how IT systems are found in everyday situations, and how personal computers can affect health.
- 2. Using the Computer and Managing Files: A student is expected to demonstrate knowledge and

	gargations in using the books functions of a personal computer and its operating system. A student	
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shall be able to operate effectively within the desktop environment. He or she shall be able to manage and organize files and directories/folders and know how to copy, move, and delete files, and directories/folders. A student shall demonstrate the ability to work with desktop icons and to manipulate windows. He or she shall demonstrate the ability to use search features, simple editing tools, and print management facilities available within the operating system.

- 3. Word Processing: A student is expected to demonstrate the ability to use a word processing application on a personal computer. He or she shall understand and be able to accomplish basic operations associated with creating, formatting, and finishing a word processing document ready for distribution. The student shall demonstrate competence in using some of the more advanced features associated with word processing applications such as creating standard tables, using pictures and images within a document, importing objects and using mail merge tools.
- 4. Spreadsheets: A student is expected to understand the basic concepts of spreadsheets and to demonstrate the ability to use a spreadsheet application on a personal computer. He or she shall



	Old COSC 101 Syllabus of Record	Attachment C
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	COSC 101 MICROBASED COMPUTER LITERACY	3c-0l-3sh
	An introductory course designed to provide students with a fundamental state of a computer bands the internation of a computer bands	nental understanding of computers.
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b. Language translators and utility programs a. Command structure b. Use of utilities 1 week B. Word Processing 1. Concepts and applications 2. Skill development a. command structure b. creation and manipulation of text C. Spreadsheet 1 week 1. Concepts and applications 2. Skill development a. command structure tien and moninulation of date 2 weeks D. Database Management 1. Concepts and applications 2. Skill development a. command structure b. creation and manipulation of databases E. Desktop Publishing/Graphics 2 weeks 1. Concepts and applications 2. Skill development a. command structure b. designing effective print communications

VI. Issues in Microcomputing	VI.	Issues	in	Microcomp	uting
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1 week

- A. Theft and embezzlement
- B. Security
- C. Computer crime legislation
- D. Computer privacy

Assignments:

Assignments will include laboratory projects on word processing, spreadsheet and database manipulation. Also, students will read articles and at least one book dealing with the application of computers in subject areas that are related to their major fields of study or are of interest to them. The

processing package taught in the course will be used for the reports.

Evaluation Methods:

The final grade for the course will be determined as follows:

- Laboratory projects. Three laboratory projects covering word processing, spreadsheet, and database manipulation.
- 30%
- 2. Reaction papers. Library search and reaction to articles dealing with computer applications. A

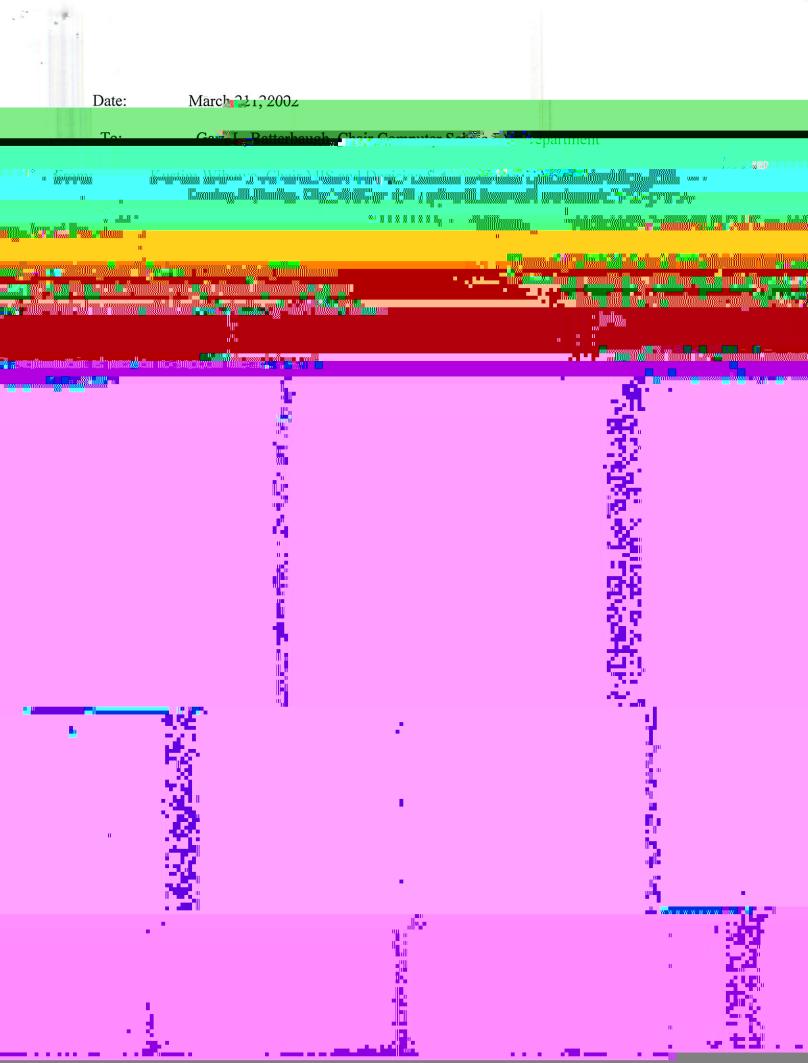
20%

Using WordStar Using Microsoft Works Using dBASE III Plus Using Word Perfect Using Page Maker

or other appropriate word processing, spreadsheet, and/or file management and database management packages.

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	BTED/COSC/IFMG101
	A. The Syllabus of Record is used by all three departments teaching this course. In
	general, all sections of Microbased Computer Literacy share the same objectives,
	content, assignments and evaluation. A detailed list of each of these is in the
	Syllabus of Record. In addition, suggestions for current textbooks are also in the
	Syllabus of Record. Each professor, of course, will teach the course in his/her
-	own teaching style but the course is tought according to the standards set in the
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Bachelor of Science in Education—Health and Physical Education (*)

Current

Liberal Studies: As outlined in Liberal 54 Studies section with the following specifications:

Mathematics: MATH 217

Marks - Lathe Epplaners Street 100

Proposed

Liberal Studies: As outlined in Liberal Studies section with following specifications:

48

Mathematics: MATH 217 and 3 additional

Natural Science: BIOL 103-104 or CHEM 101-102 Natural Science: BIOL 103-104 or CHEM 101-102 Social Science: PSYC 101, SOC 151 Social Science: PSYC 101 Liberal Studies Electives: FDNT 145, PSYC 378, or **Liberal Studies Electives:** 0 approved alternatives Major: Major: **Course Requirements:** 31 HPED 142 Foundations of Health, Physical **Course Requirements:** 31 HPED 142 Foundations of Health, Physical Education, and Sport 3cr Education, and Sport 3sh HPED 175 Prevention and Care of Injuries to Fundamentals of Physical Activity HPED 200 the Physically Active 1sh 2cr HPED 210 Motor Development Fundamentals of Physical Activity 2sh HPED 200 1cr **Human Structure and Function** HPED 221 3sh HPED 210 Motor Development 2cr HPED 251 Foundations of Safety and HPED 221 **Human Structure and Function** 3cr **Emergency Health Care** 3sh **HPED 242** Emergency Health Care (+) 1cr HPED 263 Aquatics 1sh HPED 263 Aquatics 1cr **Biomechanics** HPED 315 3sh HPED 315 **Biomechanics** 3cr HPED 341 Evaluation in Health and Physical HPED 341 Evaluation in Health and Physical 3sh Education Education 3cr HPED 343 Physiology of Exercise 3sh HPED 343 Physiology of Exercise 3cr HPED 344 Adapted Physical Education 3sh HPED 344 Adapted Physical Education or HPED 441 Psychosocial Implications for HPED 370 Adapted Health and Physical Health and Physical Education 3ch Education (-) 300

,	(*)	See requirements leading to teacher certification, titled "Admission to Teacher Fducation and	(*) See requirements leading to teacher certification, titled "IUP Teacher Education 3-Step Process" in the College of Education and
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Proposed

Liberal Studies: As outlined in Liberal Studies section with the following specifications:

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-Health and Wellness: FDNT 143 or MLSC 101-102

-Natural Science: BIOL 103-104 or CHEM 101-102

-Social Science: PSYC 101, SOC 151

-Liberal Studies Electives: BTED/COSC/BIFMG 101*and FDNT 145*

Paradeliana of Haalsh and

(needed to meet accreditation requirements)

Major
Core Requirements:

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Physical Education 3sh
-HPED 175 Prevention and Care of Injuries 2sh

-HPED 200 Fundamentals of Physical
Activity 1sh
-HPED 210 Motor Development 2sh
-HPED 221 Human Structure and Function 3sh
-HPED 242 Emergency Health Care 1sh

1ch Anustice HPFJ 263 -HPED 315 **Biomechanics** 3sh -HPED 341 Evaluation in Health and Physical Education 3sh -HPED 343 Physiology of Exercise 3sh *-HPED 344 Adapted Physical Education 3sh -<u>H</u>PED 370 Adanted Health and Physical

Education

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