

LSC Use Only
Number: _____
Submission Date: _____
Action-Date: _____



UWUCC USE Only
Number: 98-53
Submission Date: _____
Action-Date: App 4/27/99

Send App 9/14/99

CURRICULUM PROPOSAL COVER SHEET
University-Wide Undergraduate Curriculum Committee

I. CONTACT

Contact Person Gerald Buriok Phone 7 2608
Department Mathematics

II. PROPOSAL TYPE (Check All Appropriate Lines)

- COURSE** _____
Suggested 20 character title
- _____ New Course* _____
Course Number and Full Title
- _____ Course Revision _____
Course Number and Full Title
- _____ Liberal Studies Approval + _____
for new or existing course Course Number and Full Title
- _____ Course Deletion _____
Course Number and Full Title
- _____ Number and/or Title Change _____
Old Number and/or Full Old Title
- _____ _____
New Number and/or Full New Title

Course or Catalog Description Change MA214 Probability and Statistics for _____
Course Number and Full Title Business

- PROGRAM: _____ Major _____ Minor _____ Track
- _____ New Program* _____
Program Name
 - _____ Program Revision* _____
Program Name
 - _____ Program Deletion* _____
Program Name
 - _____ Title Change _____
Old Program Name
 - _____ _____
New Program Name

III. Approvals (signatures and date)

Mohr J. Shawer 2/24/99 Department Curriculum Committee
Gerald M. Buriok 2/24/99 Department Chair
[Signature] College Curriculum Committee
[Signature] 3/23/99 College Dean

+ Director of Liberal Studies (where applicable) * Provost (where applicable)

II. Description of Curriculum Change

1. Catalog Description.

MA214 Probability and Statistics for Business Majors

3c-01-3sh

Designed to study the methods of describing data, probability theory, discrete and continuous random variables, sampling distributions, estimation and tests of hypothesis for means, proportions and variances, and simple linear regression and correlation.

2. Listing of proposed changes.

<u>Old Catalog Description</u>	<u>New Catalog Description</u>
Designed to introduce the study of probability theory, discrete random variables and probability distributions, empirical frequency distributions, theoretical frequency distributions, statistical investigations and and sampling, and sampling distributions.	Designed to study the methods of describing data, probability theory, discrete and continuous random variables, sampling distributions, estimation and tests of hypothesis for means, proportions and variance, and simple linear regression and correlation.

3. Justification/rationale for the change.

Improved computer software has raised the level of sophistication of methods of describing data, and popular newspapers and magazines make prolific use of these methods. Thus an increased emphasis on methods of describing data has evolved in this course.

The old catalog description is incomplete in that it does not refer to continuous random variables (such as normal, Student t, Chi Square, F). These have always been part of the course. The reference to these random variables in the old catalog description is hidden in the phrase "theoretical frequency distributions".

The old catalog description is also incomplete in that it does not make specific reference to inferential statistics and simple linear regression and correlation,

which have always been a major part of this course.

The new catalog description clearly states that descriptive statistics, inferential statistics, probability theory, discrete and continuous random variables, and sampling distributions make up the content of this course. That content has not changed, but the old catalog description is less clear about delineating that content.

III. Letters of Support.

Attached.

To: Department Chairpersons
College of Business

✓ Mr. Duane Ponko, Accounting Department
Dr. Terry Ray, Finance and Legal Studies Department
Dr. John Orife, Management Department
Mr. Kenneth Shildt, MIS and Decision Sciences Department
Dr. Krish Krishnan, Marketing Department
Dr. Wayne Moore, Office Systems and Business Education Dept.

From: Gerald Buriok, Chairman
Mathematics Department *gmb*

Date: February 9, 1999

Subject: Change in Catalog Description for MA214


Dr. Maher Shawer representing the Mathematics Department, and Dr. Mohamed Albohali representing the MIS and Decision Sciences Department have recommended a change in the catalog description for MA214 Probability and Statistics for Business Majors. At a department meeting on February 4, 1999, the faculty of the Mathematics Department voted approval of the new description. The syllabus for the course will be unchanged.


In order for the new catalog description to be approved by the University-Wide Undergraduate Curriculum Committee (UWUCC), and eventually the full Senate, letters of support from affected departments must accompany the description. The purpose of this memo is to request that you send me a letter of support for this change, or that you affix your signature below and return this letter to me.

Old catalog description for MA214 Probability and Statistics for Business Majors: Designed to introduce the study of probability theory, discrete random variables and probability distributions, empirical frequency distributions, theoretical frequency distributions, statistical investigations and sampling, and sampling distributions.

Proposed catalog description for MA214 Probability and Statistics for Business Majors: Designed to study the methods of describing data, probability theory, discrete and continuous random variables, sampling distributions, estimation and tests of hypothesis for means, proportions and variances, and simple linear regression and correlation.

I support the proposed change in the catalog description for MA214.


Chairperson Date


Department

cc: Dr. Robert Camp, Dr. Manmohan Chaubey
Dr. Mohamed Albohali, Dr. Maher Shawer

To: Department Chairpersons
College of Business

Mr. Duane Ponko, Accounting Department
Dr. Ibrahim Affanch ~~Dr. Terry Ray~~, Finance and Legal Studies Department
Dr. John Orife, Management Department
Mr. Kenneth Shildt, MIS and Decision Sciences Department
Dr. Krish Krishnan, Marketing Department
Dr. Wayne Moore, Office Systems and Business Education Dept.

From: Gerald Buriok, Chairman
Mathematics Department *SMB*

Date: February 9, 1999

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I support the proposed change in the catalog description for MA214.

Ibrahim Affanch
Chairperson
2.16.99
Date

Finance & Legal Studies
Department

cc: Dr. Robert Camp, Dr. Manmohan Chaubey
Dr. Mohamed Albohali, Dr. Maher Shower

To: Department Chairpersons
College of Business

Mr. Duane Ponko, Accounting Department
Dr. Terry Ray, Finance and Legal Studies Department
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John Orife
Chairperson
02/11/99
Date
MANAGEMENT
Department

cc: Dr. Robert Camp, Dr. Manmohan Chaubey
Dr. Mohamed Albohali, Dr. Maher Shawer

FEB 11 1999

To: Department Chairpersons
College of Business

Mr. Duane Ponko, Accounting Department
Dr. Terry Ray, Finance and Legal Studies Department
Dr. John Orife, Management Department
~~Mr. Kenneth Shildt, MIS and Decision Sciences Department~~
Dr. Krish Krishnan, Marketing Department
Dr. Wayne Moore, Office Systems and Business Education Dept.

DR. LOUISE BURKY

From: Gerald Buriok, Chairman
Mathematics Department *SMB*

Date: February 9, 1999

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Louise B. Bursky 2/15/99 MIS/DB
Chairperson Date Department

cc: Dr. Robert Camp, Dr. Manmohan Chaubey
Dr. Mohamed Albohali, Dr. Maher Shower

To: Department Chairpersons
College of Business

Mr. Duane Ponko, Accounting Department
Dr. Terry Ray, Finance and Legal Studies Department
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Gerald Buriok
Chairperson

2/16/99
Date

Technology Support & Training
Department

cc: Dr. Robert Camp, Dr. Manmohan Chaubey
Dr. Mohamed Albohali, Dr. Maher Shower

To: Department Chairpersons
College of Business

Mr. Duane Ponko, Accounting Department
Dr. Terry Ray, Finance and Legal Studies Department
Dr. John Orife, Management Department
Mr. Kenneth Shildt, MIS and Decision Sciences Department
Dr. Krish Krishnan, Marketing Department
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Mathematics Department *AMB*

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[Signature] MAR 1, 99
Chairperson Date

Marketing
Department

cc: Dr. Robert Camp, Dr. Manmohan Chaubey
Dr. Mohamed Albohali, Dr. Maher Shawer