Faculty Senate Curriculum Committee
Approval Form

Proposal Title: Title Change "Industrial Management I" to "Operations Management"
Sponsor(s): Diane Hamilton Dept.: School of Business Admin.

Check one:  ☒ Course  ☐ Specialization  ☐ Concentration  ☐ Achievement Certificate
☐ Certification Program  ☐ Major Program  ☒ Minor Change  (please name: deletion or credit/title/catalog change)

☐ Undergraduate  ☐ Graduate  Credit Hours

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<th>Step 1 (Department)</th>
<th>Step 2 (Receipt)</th>
<th>Step 3 (School CC)</th>
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<td>☒ Approved 11/14/85</td>
<td>SCC# 85 86. 37</td>
<td>Reviewed 11/14/85</td>
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<td>Proposal Received 11/15/85</td>
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Step 4 (Academic Dean)  Comments:
Reviewed  Date

Step 5 (SCC)

Open Hearing  Date  ☐ Approved by Senate Curriculum Committee  Date
☐ Returned to sponsor(s) for the following reasons:

Step 6 (Faculty Senate)
Presented to Faculty Senate:  Date  ☒ Approved  ☐ Not Approved

Notification to Vice-President Academic Affairs  7/3/86  Date

Signature, SCC Chairperson  5/82
Step 7 (Vice-President for Academic Affairs)

Received 2/13/86

If no, reasons are as follows:

Student credit hours \( \checkmark \, A \)  
Faculty load hours \( \checkmark \, A \)  
Equalized credit hours \( \checkmark \, A \)  

Same as previous course and not I

Official copy and approval sheet filed ________ Date ________

Signature ________________________________

Vice-President for Academic Affairs

Registrar

Approved course description received ________ Date ________

Hegis Taxonomy and Course Number assigned ________

Signature ____________________________ Registrar ____________________________ Date ________

Notification forwarded: Senate Curriculum Committee Chairperson, Department Chairperson(s), Academic Dean(s), Registrar, Sponsor(s).

TRANSMITTAL 4/15/86
PROPOSAL

MINOR CURRICULAR CHANGE

1. DETAILS
   a. Change Requested: Title change from Industrial Management I to Operations Management

   Also, catalog description and prerequisite change from

   0506.305
   INDUSTRIAL MANAGEMENT I
   (Prerequisite: 0506.101, 1703.302, 0502.312)
   This course provides a critical study of the operational functions of the business enterprise. Topics include capital costs and investment criteria, plant location and layout, process planning and production design, job designs and work methods, and cost controls.

   to:

   0506.305
   OPERATIONS MANAGEMENT
   (Prerequisites: 0506.312, 1703.125)
   This course provides a critical study of the operational functions of the business enterprise. Topics include capital costs and investment criteria, plant location and layout, process planning and production design, job designs and work methods, and cost controls.

   b. Sponsor: Diane M. Hamilton
      Assistant Professor
      Department of Management
      School of Business Administration

2. RATIONALE
   a. Statement of "need" for the change:
Upon our external consultants' recommendations and in readying our School for accreditation by the American Assembly of Collegiate Schools of Business it is necessary to change our Industrial Management I course to more closely conform to A.A.C.S.B. requirements. A name change and clear explanation of the subject matter covered should suffice.

b. Statement of curricular effect:

Production and Operations Management will be required as a business core course for all Business Administration students. Because Principles of Management Science will be dropped from the present core, this course will not increase the total number of core credits required. Faculty presently involved in the Principles of Management Science course can easily be reassigned to sections of Production and Operations Management.

3. RESULTS OF CONSULTATION

a. All full-time faculty within the School of Business have discussed this change and are in agreement with it. A written consultation was requested of the Industrial Education and Technology Department, response attached hereto.

FOR ADDITIONAL CLARIFICATION A TOPICAL OUTLINE FOLLOWS:

Introduction
- objectives of a production system
- relationship between production and other corporate functional areas
- problems found in production systems

Design of Production Facilities
- plant location
- physical layout
- Investment Criteria

Materials Management
- Inventory Control
- Purchasing
- Material Requirements Planning

Research & Development
- new product development
- managing the R & D function
Production Planning & Control
- forecasting
- inventory control
- production scheduling
- capacity requirements planning

Decision Models for Production Planning & Control
- optimum lot size
- linear programming for optimal product mix and transportation models
- simulation of flow rate

Industrial Engineering
- time and motion studies
- work measurement
- manufacturing standards

Inspection and Quality Control
- determination of an acceptable quality level
- the inspection process
- quality assurance

Statistical Quality Control
- review of related statistical concepts
- use of charts in quality assurance
- determining sample size

The Factory of The Future Today
- manufacturing resource planning software
- robotics and computer controlled machinery
- computer aided design and manufacturing
606.305
OPERATIONS MANAGEMENT
(Prerequisites: 0506.312, 1703.125)
This course provides a critical study of the operational functions of the business enterprise. Topics include capital costs and investment criteria, plant location and layout, process planning and production design, job designs and work methods, and cost controls.
TO: Diane Matteo, Business Administration  
FROM: John Gallinelli, Program Advisor  
Industrial Technology
DATE: March 25, 1985
RE: "Minor Curriculum Changes"

Mr. Von Holtz just presented me with your recommended change in curriculum to begin offering a course in Production and Operations Management. Though the description variation between the original Industrial Mgt 1 and the proposed Production and Operations Mgt are being presented as minor changes, they are in fact substantive. When one looks at the new course topics and compares those with the existing course in Industrial Technology, it is clearly an Industrial Technology offering.

Each of the topics suggested for inclusion in your new course are now included in the course Production Planning and Control, offered this semester by Industrial Technology and taught by M. Robert Zellmer, former VP for Manufacturing and Materials at Ray-O-Vac. For this to be considered as a new offering by Business Administration is a clear duplication of existing offerings.

It is my opinion that if there is a need for such an offering for your Industrial Management majors, that they enroll in the course presently on the books in our department.

Both Dr. Humbert and I have, in the past, delivered materials to your school explaining the types of offerings we have. We have on more than one occasion had students from your school express amazement that we have such offerings as Manufacturing Technology, Materials Handling and Plant Layout, Production Management and the like. It would seem that there may be even other areas where our offerings could serve as integral components in your programs, as your introductory courses do for our Industrial Technology majors. You see, each of our majors is required to enroll in Introduction to Management and at least two follow up courses such as Accounting, Mgt of Information Systems, Management of the Personnel System and the like. It is this kind of multi-school activity that is going to build strength into all of our programs and we will be able to better serve all the students and meet the societal and industrial needs at the same time.

New Jersey Is An Equal Opportunity Employer
The department as a whole stands firmly opposed to such changes. We would hope that any movement to further develop the Industrial Management option be done by integrating the offerings of our two departments.

JG/jh
cc: Mr. Paul D. Von Holtz  
    Dr. Janice F. Weaver  
    Ms. Brenda Bolay
TO:        Paul Von Holtz, Chairperson, Industrial Arts
FROM:   Robert D. Lynch, School of Business Administration

December 13, 1985

Based upon our discussion of December 12 I have obtained
agreement from key members of our faculty to revise our
curriculum proposals as follows:

1. The title change of "Industrial Management I" will be revised
to "Operations Management" instead of "Production Operations
Management" and the catalogue description will remain the
same. There will be some modifications to the course
content outline as shown in the attachment.

2. We will remove the course "Industrial Management II" from
our curriculum with the understanding that future needs may
require us to revive the course as a course in "Materials
Management" which is the current emphasis of this course.

3. We will add, in place of "Advanced Production/Operation
Management" (which was proposed to be the new title of
"Industrial Management II") your course "Quality Control of
Industrial Products". This will be a required course in the
"Industrial Management Track" of our "Management
Specialization." Since this is a required course you would
have to agree to offer the course at night at least once
each academic year.

4. We will add, to the electives within our "Management
Specialization", your course, "Occupational Safety." This
would be available to "Management" students in all tracks.
I believe that these changes will provide us with the changes we require in our program and at the same time provide some of the cooperative effort you have suggested.

cc: William Enslin
    John Gallinelli
    Diane Hamilton
    Brenda Bolay