COURSE OUTLINE

BSAD 355 - MANAGEMENT OF TECHNOLOGY

Prepared By: Nicholas Kocher
A. **TITLE:** Management of Technology

B. **COURSE NUMBER:** BSAD 355

C. **CREDIT HOURS:** 3

D. **WRITING INTENSIVE COURSE:** No

E. **COURSE LENGTH:** 15 Weeks

F. **SEMESTERS OFFERED:** Fall and Spring

G. **HOURS OF LECTURE, LABORATORY, RECITATION, TUTORIAL, ACTIVITY:** 3 hours of lecture per week

H. **CATALOGUE DESCRIPTION:**
   In this course students explore strategic management of technology, patterns of technological change, technological transitions and technological innovations within organizations. The conceptual framework of the course is an evolutionary process perspective on technology management. Students examine the scope of technology management in relation to: design, production, finance, marketing, accounting, sales, distribution and human relations.

I. **PREREQUISITES/CO-REQUISITES:**
   a. Pre-requisite: 45 credit hours or permission of instructor
   b. Co-requisite: None

J. **STUDENT LEARNING OUTCOMES:**
   By the end of this course, the student will be able to:

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<tr>
<th>Course Objective</th>
<th>Institutional SLO</th>
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<tr>
<td>a. Describe how the functions of design, production, finance, marketing,</td>
<td>2. Crit. Thinking</td>
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<td>accounting, sales, distribution and human relations commingle to fulfill</td>
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<td>organizational goals</td>
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<td>b. Analyze current and emerging technology management challenges and issues</td>
<td>2. Crit. Thinking</td>
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<td>c. Identify problems and challenges associated with</td>
<td>2. Crit. Thinking</td>
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<td>the selection and adoption of new technology</td>
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<td>d. Analyze the role of management in implementing</td>
<td>2. Critical Thinking</td>
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<td>technology and innovation, technology sourcing</td>
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<td>decisions and technological competence.</td>
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L. **REFERENCES:**

M. **EQUIPMENT:** Technology Enhanced Classroom

N. **GRADING METHOD:** A-F

O. **MEASUREMENT CRITERIA:**
   Exams, Case Studies, Participation and Quizzes

P. **DETAILED TOPICAL OUTLINE:**

   I. Introduction
      A. Roles and expectations

   II. The Time Management Trap
      A. What is Time Management?
      B. Avoiding Time Trap
      C. Developing an Academic Plan
      D. Developing a Personal Time Management Plan

   III. The Management of Technology
      A. Word Association – Management
      B. Word Association – Technology
      C. Defining Management of Technology
      D. What is Technology?

   IV. Historical Perspectives on Technology
      A. Classifying Technological Developments

   V. Paradigms
      B. What is a Paradigm?
      C. How to recognize a Paradigm Shift
      D. Video on Paradigm Shift

   VI. Literature Review and Analytical Essays
      A. Literature Review
      B. Analytical Essays
      C. Journal Entries

   VII. The Business Process
      A. Typical Business Processes
      B. Comparing the Processes
      C. Designing a Business Process
VIII. Implications of the Present
   A. Discussion of Articles by Technology Management Experts

IX. Historical Development of Management

X. Progress of Management and Technology
   A. The Connection Between Management and Technology

XI. Legal and Ethical Issues
   B. Security and Privacy
   C. Intellectual Property

XII. Managing the Foundations of Technology

XIII. Innovation and the Process of Discovery
   A. What is Innovation?
   B. Creating an Environment that Fosters Innovation