

Technical Communication, TECM

TECM 5180. Professional Writing. 3 hours. The application of the principles of technical style to writing in specialized fields. Topics of special emphasis include writing in the fields of scientific, report and legal writing. May be repeated for credit as topics vary.

TECM 5185. Principles of Technical Communication. 3 hours. Practical application of technical and professional communication in industry, business and the sciences, using the workshop approach.

TECM 5190. Style and Technical Writing. 3 hours. A study of the principles of technical style with intensive practice in writing and analyzing technical prose.

TECM 5191. Communication and Information Technologies. 3 hours. An examination of the strategies for presenting technical information in different media. Intensive practice in developing hyper-media e-learning materials using dynamic technologies.

TECM 5195. Editing Technical Documents. 3 hours. Practical application of technical and professional communication in industry, business and the sciences, using the workshop approach.

TECM 5280. Designing Technical Documents. 3 hours. Study of the theory of designing effective technical documents. Intensive practice in applying the theory of designing technical documents in industry, business and the sciences.

TECM 5285. Technical Presentations. 3 hours. Practice in preparing and delivering technical information to technical and lay audiences and readers. Study of the theories that form the basis for preparing and delivering technical presentations.

TECM 5550. Studies in the Teaching of Technical Communication. 3 hours. Survey of current scholarly opinion concerning objectives and methods of instruction in technical communication; supervised planning of the curriculum, with special attention to problems related to teaching technical communication and to developing criteria for evaluating student writing. May be repeated for credit as topics vary. TECM 5550 is required for all new teaching fellows (offered every fall).

TECM 5580. Theories in Composition. 3 hours. A study of composition theories, leading to the development of research techniques and compositional skills.

TECM 5640. Practicum in Technical Communication. 6 hours. An extensive independent writing project addressing a problem in business or industry. Students must develop the project while working on an internship. Prerequisite(s): completion of the required and elective courses and the minor.

TECM 5740. Research in Technical Communication. 3 hours. An examination of the basic materials available for research in technical communication; analysis and application of qualitative and quantitative methods of research in technical communication; evaluation of the application of research results within professional workplace settings; and practice in the conventions of reporting research results for publication.

TECM 5900-TECM 5910. Special Problems. 1–3 hours each. Conference course open to advanced students capable of doing independent research under the direction of the instructor. Registration permitted only when other graduate courses are not available and only upon the

recommendation of the instructor and the consent of the department chair. A maximum of 3 semester hours of credit is allowed for each course.

TECM 5950. Master's Thesis. 3 or 6 hours. To be scheduled only with consent of department. 6 hours credit required. No credit assigned until thesis has been completed and filed with the graduate dean. Continuous enrollment required once work on thesis has begun. May be repeated for credit.

Logistics and Supply Chain Management

see Marketing and Logistics

Management

Management, MGMT

MGMT 5070. Management Issues. 1.5 hours. The basic concepts in managing the complete flow of materials that represent a supply chain from suppliers to customers. Emphases within the module are placed on production concepts with business wide applications, determining demand, transformation processes used to satisfy demand, and finally managing the supply activity supporting the transformation processes.

MGMT 5120. Managing Organizational Design and Change. 3 hours. Examination of the development of organizational competencies and capabilities through the study of the theory and tools related to organizational design and change. Emphasis is placed on the use of horizontal and vertical linkage mechanisms that provide the organization with the flexibility to adapt to a rapidly changing competitive environment. Definition of management roles and the use of teams are emphasized in the change management process.

MGMT 5140. Organizational Behavior and Analysis. 3 hours. Research emphasis in organizational behavior stressing organization-people linkages and interrelationships, including selection, orientation and training; job design and reward systems; supervision; formal participation schemes; appraisals and development; organizational structure and design; communications; control; and conflict resolution. Examination of behavioral science methodologies and strategies. Applications to tangential areas of organization theory, development, planning and implications for management and employee relations.

MGMT 5210. Human Resource Management Seminar. 3 hours. A study of the creation and implementation of human resource policies in public and private organizations. Topics include employment, placement and personnel planning; compensation and benefits; employee and labor relations; training and development; health, safety and security. Designed for non-business graduate students and business graduate students with limited or no background in personnel management.

MGMT 5230. Management Seminar. 3 hours. Development of philosophy, strategy and tactics in managing an enterprise. Administrative processes common to all enterprises, including variations needed to meet different situational requirements. Methods of study include extensive reading, exploratory research and seminar discussion.

MGMT 5240. Project Management. 3 hours. Analysis and application of project management techniques and processes to large scale, complex and unique projects. Topics include project selection; planning and organization; negotiation and conflict resolution; budgeting and cost estimation; scheduling; resource allocation; monitoring and control; project auditing; and termination. Prerequisite(s): MGMT 5070 or equivalent.

MGMT 5260. Employment, Placement and Personnel Planning. 3 hours. Review of the basic elements of employed performance, with analysis of the factors involved in employment, placement and personnel planning. This course blends theory and practice so the student may better understand the policies and procedures required for recruitment selection and personnel planning.

MGMT 5280. Analysis and Design of Operations System. 3 hours. Planning, analysis and design of operating systems, including functions such as forecasting, inventory management, facility location and layout, aggregate planning, scheduling and supply chain management. Appropriate decision-making tools and processing are emphasized.

MGMT 5300. Entrepreneurship and Venture Management. 3 hours. The creation of new business enterprises and the expansion of current enterprises through the venture. Topics include assessment of entrepreneurial characteristics, the entrepreneurial team, generation and screening of venture ideas, market analysis and technical analysis.

MGMT 5350. Seminar in Labor Relations. 3 hours. Theory and practice related to the process of labor relations in organizations, including union organization, collective bargaining, contract negotiation and administration, grievance and alternative dispute resolution processes, and current issues related to labor relations.

MGMT 5530. Operation and Management of Physician Practice Organizations. 3 hours. Provides advanced study of the unique operational application of business/managerial theory, methodology and best practice to physician practice management including facilities design and management, financial analysis and management, systems analysis and evaluation, application and management of information technology, assessment of health needs and marketing, quality improvement, human resource management and the legal/ethical aspects of health care.

MGMT 5550. Professional Project in Health Services Management. 3 hours. Applied research and/or fieldwork focusing on operational and management problems in health services settings. Project assignments directed by a selected health services administrator and by faculty.

MGMT 5660. International Management. 3 hours. Designed to expose the student to the international aspects of management. Cultural differences in management applications, management of multinational corporations and integration of domestic business functions and international operations.

MGMT 5700. Contemporary Issues in Management. 3 hours. Investigation of topics emerging from the dynamic environment of contemporary organizations, such as managerial issues related to electronic commerce or international business. May be repeated for credit as topics vary.

MGMT 5710. Management Strategies for Public Issues. 3 hours. Public issues confronting business leaders stemming from profound changes in societal expectations and demands as manifested in political forums and government action. Focuses on the social and political environment of business and explores the role of the corporation in today's society.

MGMT 5760. Strategic Decision Making. 3 hours. Examination and evaluation of current theories, issues and programs involved in the making of strategic decisions in organizations. Emphasis on critical thinking, judgment and solving strategy problems within uncertain and complex decision environments.

MGMT 5800. Internship. 3 hours. A supervised, productive and educationally meaningful work experience in a job related to the student's career objective. Prerequisite(s): student must meet employer's requirements and have consent of department. May not be used to meet professional field requirements. Pass/no pass only.

MGMT 5850. Materials Management. 3 hours. Specialized application of fundamental principles of economics, accounting and management to the coordination of all business functions relating to materials.

MGMT 5870. Leadership Research and Development. 3 hours. Theories and current research on leadership with emphasis placed on leadership development and specific applications within the organizational setting.

MGMT 5890. Seminar in Compensation and Motivation Theory. 3 hours. An interdisciplinary seminar designed to study the theories, practices and techniques involved in developing and implementing total compensation programs for public and private organizations. The relationship of motivation theory to compensation theory is emphasized in an effort to develop the optimum package for employee productivity and satisfaction and organizational costs. Topics included are compensation theory, conceptual framework for job satisfaction, job design, relationship of incentive compensation packages and international compensation.

MGMT 5900. Special Problems. 1–3 hours. Open to graduate students who are capable of developing a problem independently. Problem chosen by the student and developed through conferences and activities under the direction of the instructor. Prerequisite(s): approved applications for special problems/independent research/dissertation credit must be submitted to the CoB Graduate Programs Office prior to registration.

MGMT 6010. Seminar in Business Administration. 3 hours. Covers one or more special fields. May be repeated for credit, and two or more sections may be taken concurrently.

MGMT 6030. Seminar in Strategic Management. 3 hours. Examination of the theoretical and empirical research on the question of why some firms out perform others. Includes the study of formulation and implementation issues from economic, organizational and other perspectives and prepares the student for participation in research within the field.

MGMT 6100. Seminar in Organizational Behavior. 3 hours. An in-depth study of research in organizational behavior that familiarizes students with the classic and current literature in the discipline. Students will develop skills in theory-building and empirical research in the field.

MGMT 6820. Seminar in Organizational Theory. 3 hours. Examination of the major theoretical streams in the study of organizations and the process of organizing. Extensive reading and seminar discussion are used to understand and extend both historical perspectives and emerging views and assist students in becoming active researchers within the discipline.

MGMT 6860. Seminar in Human Resource Management. 3 hours. An examination of the major research in the field of human resources management, including the critical evaluation of research in terms of both theory and methodology. The integration and application of contemporary management theory to the field of human resource management in order to develop skills in theory-building and the design and implementation of empirical research.

MGMT 6880. Production and Operations Management. 3 hours. Reading, research and analysis in the field of operations management, using a topical approach, with emphasis on such areas as design, operation and control of productive systems; methods of analysis; and operations policy formulation. Prerequisite(s): MGMT 5280 or equivalent, or consent of department. May be repeated for credit as topics vary.

MGMT 6900-MGMT 6910. Special Problems. 1–3 hours each. Research by doctoral students in fields of special interest. Includes project research studies and intensive reading programs, accompanied by conferences with professors in fields involved. Prerequisite(s): approved applications for special problems/independent research/dissertation credit must be submitted to the CoB Graduate Programs Office prior to registration.

MGMT 6940. Individual Research. 1–12 hours. Individual research for the doctoral candidate. Prerequisite(s): approved applications for special problems/independent research/dissertation credit must be submitted to the CoB Graduate Programs Office prior to registration.

MGMT 6950. Doctoral Dissertation. 3, 6 or 9 hours. To be scheduled only with consent of department. 12 hours credit required. No credit assigned until dissertation has been completed and filed with the graduate dean. Doctoral students must maintain continuous enrollment in this course subsequent to passing qualifying examination for admission to candidacy. Prerequisite(s): approved applications for special problems/independent research/dissertation credit must be submitted to the CoB Graduate Programs Office prior to registration. May be repeated for credit.

Management Science

see Information Technology and Decision Sciences

Manufacturing Engineering Technology

see *Undergraduate Catalog*

Marketing and Logistics

Aviation Logistics – see *Undergraduate Catalog*

Logistics and Supply Chain Management, LSCM

LSCM 5300. Strategic Supply Chain Management. 3 hours. The distribution and logistics imperative is to achieve cost-containment while delivering customer satisfaction. Course examines how channel integration fosters the coordination, systemization needed to maximize efficiency and produces the greatest net value for the customer. Students explore how resource allocation and channel relationship decisions impact inventory, transportation, warehousing, purchasing and packaging systems. Prerequisite(s): MKTG 5150 or consent of department.

LSCM 5560. Strategic Logistics Management. 3 hours. Analysis of internal and environmental factors affecting logistical systems and operations. Includes the integration of transportation, inventory, facility location, informational flow, materials handling and packaging activities into a system for managing a physical flow of inbound and outbound products and materials in a global environment. The total-cost and total-system approaches are developed in relationship to planning and managing the logistical function within the organization. Prerequisite(s): MKTG 5150 or consent of department.

LSCM 5800. Internship in Logistics. 1–3 hours. Supervised work experience in a position related to the student's career objective that meets the department's internship requirements. Student must meet employer's requirements and have consent of the department's MBA advisor and internship director. Prerequisite(s): consent of MBA advisor and instructor. A maximum of 3 total hours of LSCM 5800 and/or LSCM 5910 or a combination of these courses may be applied toward the MBA degree. Pass/no pass only.

LSCM 5860. Advanced Supply Chain Management Problems. 3 hours. Decision-making tools and skills as they apply to logistics and supply chain management. Course stresses developing skills to analyze technical problems and their interrelationships within a company. Prerequisite(s): LSCM 5300 and 5560.

LSCM 5900. Special Problems. 3 hours. Topics chosen by the student and developed through meetings and activities under the direction of the instructor; activities include required, regular participation in a specified 4000-level class. Prerequisite(s): approved applications for special problems/independent research/dissertation credit must be submitted to the CoB Graduate Programs Office prior to registration.

LSCM 5910. Special Problems. 1–3 hours. Course provides a unique opportunity for the student to learn by doing with a real business or institution, solving real problems. While each project provides very specific and unique learning opportunities within the logistics area, the primary areas of knowledge and skill development for each are business analysis and decision making; consultative business relationships; project management; communication, written and oral; and teamwork. A maximum of 3 total hours of LSCM 5800 and/or LSCM 5910 or a combination of these courses may be applied toward the MBA degree.