

MANAGEMENT OF TECHNOLOGY (MOT)

Management of Technology (MOT) Courses

MOT 4023. Essentials of Technology Management. (3-0) 3 Credit Hours.

This survey course provides an overview of the issues that impact technology management. All technology management subsystems are included: strategy, technology, resource, organizational, project, and people. The course is designed to help students develop the systems thinking necessary to successfully interact with the burgeoning technological world. The course will also provide the opportunity for students to develop the entrepreneurial skills important in managing the design, development, and commercialization of technological goods and services. Differential tuition: \$126. Course Fee: DL01 \$75.

MOT 4143. Introduction to Project Management. (3-0) 3 Credit Hours.

This introductory course presents concepts and techniques for the management of many types of projects including engineering, construction, product development, as well as science and technology projects. The course is designed to help students develop project planning skills including scope definition, scheduling, cost-estimating and risk assessment. The course will also provide the opportunity for students to develop skills in support of project leadership, team building and communication. Differential Tuition: \$126.

MOT 4153. Project Management Certification. (3-0) 3 Credit Hours.

Prerequisite: Consent of instructor. This course is a comprehensive coverage of project management designed to give students the opportunity to prepare for the Project Management Professional (PMP) and Certified Associate in Project Management (CAPM) certification exams. The course is structured around the Project Management Institute's (PMI) Project Management Body of Knowledge and Agile Practice Guide, emphasizing domains, tasks, and enablers associated with the core project management processes as described in PMI's published exam content outline. Students will also complete diagnostics exam instruments and practice exams. Differential Tuition: \$126.

MOT 4203. Strategic Management of Technology and Innovation. (3-0) 3 Credit Hours.

This course examines the issues involved in the strategic management of technology in contemporary business organizations. The course will examine new product development, emerging technologies and product portfolios; and will explore the dynamics of innovation in the firm. Differential Tuition: \$126.

MOT 4313. Disruptive Innovations. (3-0) 3 Credit Hours.

This survey course focuses on technologies that may transform society and improve quality of life: the emphasis is on the nexus among biotechnology, information systems, materials, and renewable energy. The course will help students refine the systems thinking necessary to connect technology with users: it investigates the barriers that entrepreneurs face during commercialization. Cooperative learning is a defining characteristic of the course. Differential Tuition: \$126.

MOT 4911. Independent Study. (0-0) 1 Credit Hour.

Prerequisite: Approval in writing from the instructor, the Department Chair, and the Dean of the Carlos Alvarez College of Business. Independent research in a management of technology topic under the direction of a faculty member. May be repeated for credit, but not more than 6 semester credit hours of independent study, regardless of discipline, will apply to a bachelor's degree. Differential Tuition: \$42.

MOT 4912. Independent Study. (0-0) 2 Credit Hours.

Prerequisite: Approval in writing from the instructor, the Department Chair, and the Dean of the Carlos Alvarez College of Business. Independent research in a management of technology topic under the direction of a faculty member. May be repeated for credit, but not more than 6 semester credit hours of independent study, regardless of discipline, will apply to a bachelor's degree. Differential Tuition: \$84.

MOT 4913. Independent Study. (0-0) 3 Credit Hours.

Prerequisite: Approval in writing from the instructor, the Department Chair, and the Dean of the Carlos Alvarez College of Business. Independent research in a management of technology topic under the direction of a faculty member. May be repeated for credit, but not more than 6 semester credit hours of independent study, regardless of discipline, will apply to a bachelor's degree. Differential Tuition: \$126.

MOT 4951. Special Studies in Management of Technology. (1-0) 1 Credit Hour.

An organized course offering specialized study not normally or not often available as part of the regular course offerings. Special Studies may be repeated for credit when the topics vary, but not more than 6 semester credit hours, regardless of discipline, will apply to a bachelor's degree. Differential Tuition: \$42. Course fee: DL01 \$25.

MOT 4952. Special Studies in Management of Technology. (2-0) 2 Credit Hours.

An organized course offering specialized study not normally or not often available as part of the regular course offerings. Special Studies may be repeated for credit when the topics vary, but not more than 6 semester credit hours, regardless of discipline, will apply to a bachelor's degree. Differential Tuition: \$84.

MOT 4953. Special Studies in Management of Technology. (3-0) 3 Credit Hours.

An organized course offering specialized study not normally or not often available as part of the regular course offerings. Special Studies may be repeated for credit when the topics vary, but not more than 6 semester credit hours, regardless of discipline, will apply to a bachelor's degree. Differential Tuition: \$126.