Mgmt Integrated Crse Offering (MICO)

MICO 601 - CRITICAL THINKING AND STRATEGIC DECISION MAKING
Short Title: CRITICAL THINKING & DECISION
Department: Management
Grade Mode: Standard Letter
Course Type: Seminar
Credit Hours: 6
Course Level: Graduate

MICO 602 - CUSTOMER FOCUS PRODUCT MANAGEMENT FOR OILFIELD SERVICES FIRMS
Short Title: CUSTOMER FOCUS PRODUCT MGMT
Department: Management
Grade Mode: Standard Letter
Course Type: Seminar
Credit Hours: 1.5
Course Level: Graduate
Description: Understanding customer needs, and developing products that successfully meet those needs is a cornerstone of success for oilfield services firms. Products in such firms may range from nuts and bolts to multi-million dollar rigs. How should firms ensure that their products, processes, people, and pricing strategies are aligned to customer needs? The course will introduce a strategic framework that can enable firms to become customer focused, gain competitive advantage, become financially disciplined, and develop strategic focus. Case studies and articles from business press will be used to illustrate the key concepts. Department Permission Required.

MICO 603 - STRATEGIC DESIGN AND MANAGEMENT OF LOGISTICS DISTRIBUTION NETWORKS FOR THE ENERGY INDUSTRY
Short Title: STRATEGY DGN & MGMT: LOGISTICS
Department: Management
Grade Mode: Standard Letter
Course Type: Seminar
Credit Hours: 1.5
Course Level: Graduate
Description: This course provides the necessary quantitative modeling techniques for managers to address logistics problems — that is, finding the least expensive way to transport products from their origin to their destinations. Real logistic problems are often coupled with manufacturing / plant location decisions. We will study both Linear and Non-Linear modeling techniques. Many of these problems have a natural graphical network representation and are part of the minimum cost network flow model. Specific examples of network optimization problems include plant location problems, transportation problems, shortest route problems, maximal flow problems, equipment replacement problems and others. We will develop the basic concepts behind those methodologies with simple examples and then use them to solve complex problems in the oil and gas industry. We will use excel and other appropriate software. Department Permission Required.

MICO 604 - MINDFULNESS AND SAFETY IN HIGH-RELIABILITY ORGANIZATIONS
Short Title: MINDFULNESS AND SAFETY
Department: Management
Grade Mode: Standard Letter
Course Type: Seminar
Credit Hours: 1.5
Restrictions: Enrollment is limited to Graduate level students.
Course Level: Graduate
Description: While organizations frequently discuss the importance of safety, safety incidents are both commonplace and costly across a number of industries. This course is designed to equip you with tools and insights that will help you and your organization prevent costly, safety-related errors and achieve higher and more reliable performance. Department Permission Required.

MICO 605 - MANAGING FOREIGN MARKET ENTRY FOR THE ENERGY INDUSTRY
Short Title: MANAGING FOREIGN MARKET ENTRY
Department: Management
Grade Mode: Standard Letter
Course Type: Seminar
Credit Hours: 1.5
Restrictions: Enrollment is limited to Graduate level students.
Course Level: Graduate

MICO 606 - POST-MERGER INTEGRATION PROCESS FOR THE ENERGY INDUSTRY
Short Title: POSTMERGER INTEGRATION PROCESS
Department: Management
Grade Mode: Standard Letter
Course Type: Seminar
Credit Hours: 1.5
Course Level: Graduate