

Master of Science in Contract Management Course Descriptions

MN3301 Acquisition of Defense Systems (4-0)

This course introduces the principles and concepts that underlie successful defense acquisition management. The course focuses on management of the acquisition process for defense systems from the development of an initial desired capability or need through design, development, production, fielding, sustainment, and disposal. Students gain an understanding of successful acquisition as an interdisciplinary activity through contributions and applications of principles from business, management, and technical disciplines. The course also emphasizes the statutory, regulatory, and policy environment of acquisition. Numerous case studies illustrate the application of concepts and principles in actual acquisition programs.

Prerequisites: None.

MN3303 Principles of Acquisition and Contract Management (4-0)

This course is an introduction to the principles of government acquisition and contracting. It presents the fundamentals of the Federal Acquisition Regulation (FAR) and the DoD FAR Supplement; the federal acquisition and contracting processes, including requirements determination, acquisition strategies, government contract law, ethics, contract types, contracting methods, and acquisition/contract management techniques. Prerequisites: None.

MN3315 Acquisition Management and Contract Administration (4-0)

This course focuses on the management functions and decision-making techniques involved in the award and administration of Best Value competitively negotiated contracts. The first phase of the course concentrates on the source selection phase of the acquisition process; specific topics include acquisition planning, market research, source selection planning, proposal development, solicitation management, source selection evaluation, contract award, and contractor debriefings. The second phase of the course emphasizes the performance phase of the acquisition process; specific topic areas include organizing for contract administration, transitioning to performance, quality management, subcontract management, financial management, performance monitoring, change management, and contract closeout. Emphasis is on the use of legal case studies and practical exercises. Prerequisites: MN3303.

MN3070 Fundamentals of Cost Benefit Analysis (4-0)

This course introduces you to economics as a social science and teaches you the tools of micro-economic analysis that are necessary to understand and conduct economic policy analyses. One of the key tools of economic analysis is Cost-Benefit Analysis (CBA). You will learn the utility as well as the challenges of using CBA to study the role of the public sector in our market economy. After a brief introduction to CBA, which includes motivating the need for conducting CBA in the public sector, we study the fundamental tools of microeconomics, including supply and demand, elasticity, market equilibrium, social welfare, the effects of government interventions in the economy, and how firms make decisions in competitive and non-competitive markets. We then turn to the study of how to conduct CBA and how to be critical consumers of such. Prerequisites: College Algebra or equivalent.

MN3156 Financial and Managerial Accounting (4-0)

This course is designed as a first course in Business Financial Management for graduate students. The course covers a range of topics in financial accounting, managerial accounting and business finance. All topics covered share a common theme in that they are related to the creation and use of financial models and information. The course requires critical thinking and the ability to analyze and apply financial models and reasoning in the context of case studies. The course is divided into two broad areas: Financial Information and Financial Management. Within these areas, specific topics include financial accounting, financial reports, financial analysis, capital structure, costing systems, performance measurement and control, and investment analysis. Prerequisites: None.

MN4474 Organizational Analysis (3-1)

This course prepares leaders to analyze, understand, and influence organizations and organizational processes. The focus is on principles and techniques for diagnosing managerial problems and developing solutions. The course combines theoretical and practical knowledge to prepare students for situations that commonly arise and give them the tools to deal with unexpected or unusual situations. First, we build foundational understanding of how organizations work, viewing people, technologies, tasks, and structures as interrelated components of complex systems. Then we apply this understanding to real organizations. From a leadership perspective, we identify ways to improve an organization's efficiency and effectiveness, motivate subordinate and peer performance, manage organizational boundaries, and increase the likelihood that evidence-based decisions and actions will be taken. Students complete a course project analyzing the structures, processes, boundary-spanning activities, and environment of an organization. Prerequisites: None.

MN3320 Contract Cost and Price Analysis (3-0)

This course involves the study and application of pricing theory and strategies, costing methods, cost and price analysis, cost principles, Cost Accounting Standards, and related genres in examining proposed and incurred costs in Federal contracts in both pre-award and post-award contexts. May not require this for MSCM students with extensive field experience and existing CON Level I DAU certification or higher. Prerequisites: MN3303 or similar introductory contracting principles course.

MN3321 Federal Contract Negotiations (3-0)

This course involves the study and application of the art and science of developing and conducting comprehensive government contract negotiations. Emphasis is placed on cost and price analytical techniques in the formulation and presentation of a pre-negotiation business clearance, strategy and actual conduct of negotiations in a simulated business environment. Prerequisites: MN3320.

MN3172 Resourcing National Security: Policy and Process (3-0)

This course analyzes federal policy-making with emphasis on resource decision making for national defense. The roles of principal budget participants are examined in detail. Executive (especially DoD) and congressional budget processes are assessed to indicate how national security policy is implemented through resource allocation. Spending for national security policy

is tracked from budget submission through resolution, authorization and appropriation. The politics of budgeting for national defense is evaluated to indicate the dynamics of executive-legislative competition over scarce federal resources. Prerequisites: None.

MN3312 Government Contracts Laws (4-0)

This course examines the fundamentals of major Congressional statutes, agency policies and regulations, and legal precedents which govern the Federal procurement process. The course contrasts the legal regimes of private and government contracting with strong emphasis on unique aspects of government contracts law, including appropriations limitations; the power to contract; competitive and non-competitive methods of contract formation; contract administration issues such as changes and terminations; transparency and oversight; and bid protests, size protests and disputes. The course prepares students to identify and choose among legal tools, strategies, and processes which should control their decision-making as contracting professionals. Prerequisites: MN3303

MN4105 Strategic Management (3-0)

Strategic Management entails the establishment of an organization's direction and the implementation and evaluation of that direction given the organization's external environment and its internal capabilities. The principal aim of this course is the transfer and adaptation of the principles of business strategic management to the Department of Defense and other federal agencies. In previous courses, students concentrate on the functional elements of management (e.g., accounting, finance, acquisition, logistics, contracting, etc.). This course addresses the challenges of setting direction and implementing strategies for the total system or whole organization. Cases and approaches from the public and private sectors enable students to develop the knowledge, skills, and abilities to strategically think, plan, and manage. Prerequisites: None.

GB4044: Defense-Focused Managerial Inquiry (3-0)

Fundamentally, this is a course in thinking critically and analytically. It is also a unique, practical opportunity for students to develop a research question, methodology, and proposal for their MBA project or master's thesis. Indeed, many students can expect to complete the initial stages of their MBA project or thesis by fulfilling the course requirement for a team-based research report. As Cooper and Schindler write: "Research is any organized inquiry carried out to provide information for solving problems. Business research is a systematic inquiry that provides information to guide business decisions. This includes reporting, descriptive, explanatory, and predictive studies. The managers of tomorrow will need to know more than any managers in history. Research will be a major contributor to that knowledge. Managers will find knowledge of research methods to be of value in many situations. They may need to conduct research either for themselves or for others. As buyers of research services, they will need to be able to judge research quality. Finally, they may become research specialists themselves." Punch prefers to describe research as "organized common sense," since it "supports the idea that good research is within the grasp of many people." In this way, we can "simplify the more technical aspects of research methods, and enhance understanding, by showing the logic behind them." This course similarly seeks to examine the logic of research methods--recognizing that these methods may differ across disciplines and subspecialties--rather than focus on detailed models or procedures that may hold little meaning for the military's managers. It is not a course in rules or required

steps; rather, it is a course in understanding the principles, concepts, and range of techniques that define the craft of research. Prerequisites: None.

MN4311 Contracting for Services (3-0)

This course studies the DoD's major services contracting policies, processes, procedures, and practices. Detailed and critical examination of current policies, issues, and practices in services contracting, to include performance-based services contracting (PBSC), is accomplished through extensive case, policy, and report analysis requiring synthesis of concepts, processes and best practices. A review of major services acquisition and program management is provided but the primary focus is on the contracting process used to acquire major services for the DoD. Topics include information technology services, base operating support services, environmental services, construction services, and contractor logistics support. Prerequisites: MN3331 and MN3303 or consent of the instructor.

MN4090 Capstone Applied Project (0-6)

This course reflects laboratory hours dedicated to presenting research techniques and independent/team efforts needed to conduct Capstone Applied Project research and analysis and to produce the Professional Report. These laboratory hours will be used by students and student teams for interactions with their Capstone Applied Project advisors, Academic Associate(s), editors, and thesis processors in producing high quality, disciplined research products for publication as appropriate. Prerequisites: None.

MN4371 Acquisition and Contracting Policy (4-0)

This course uses case studies and current acquisition issues to analyze government and business acquisition/contracting policies. Emphasis is on acquisition decision making and policy formulation/execution. Prerequisites: MN3312 and MN3320.