Operations Management (OPER)

Courses

OPER 1010. Quality Systems & Processes I. 3 Hours.
Required of students in the Operations Management program. Provides introductory knowledge of the use of quality systems and processes in manufacturing, including an overview of ISO 2008 and total quality management (TQM) systems. Covers standards in evaluating quality and reducing variance in manufacturing products while each student focuses on Six Sigma leadership and works toward Greenbelt Six Sigma status. Combined lecture with lab / and practicum. Prerequisite: Admission to Dixie State University Operations Management program. Offered in rotation in Operations Management program.

OPER 1020. Safety & OSHA Compliance I. 3 Hours.
Required of students in the Operations Management program. Provides general knowledge of correct safety practices in the workplace, focusing on the characteristics of an effective safety culture, management commitment to safety, defining a value system, OSHA voluntary guidelines for safety management, management leadership and employee commitment to effective safety practices. Combined lecture with lab / and practicum. Prerequisite: Admission to Dixie State University Operations Management program. Offered in rotation in Operations Management program.

OPER 1020. Quality Systems & Processes II. 3 Hours.
Required of student in the Operations Management program. Provides intermediate knowledge of quality systems and processes in manufacturing. Continues development of ISO 2008 and TQM systems, and further develops Six Sigma standards, focusing on attainment of Greenbelt Six Sigma status for each student. Combined lecture with lab / and practicum. Prerequisite: Admission to Dixie State University Operations Management program; AND OPER 1010. Offered in rotation in Operations Management program.

OPER 2020. Safety & OSHA Compliance II. 3 Hours.
Required of student in the Operations Management program. Provides advanced knowledge of correct safety practices in the workplace with continued focus on characteristics of effective safety culture, including assigning safety responsibilities, behavior-based safety processes, and developing a hazard inventory and a hazard protection and control system. Covers conducting effective incident investigations, medical surveillance programs, assessments of safety and training needs, job hazard analysis, and effective measurements of safety status. Combined lecture with lab / and practicum. Prerequisite: Admission to Dixie State University Operations Management program; AND OPER 1020. Offered in rotation in Operations Management program.

OPER 2070. Leadership, Supervision, and Resource Management. 3 Hours.
Required of student in the Operations Management program. Provides focus on management leadership, including development of accountability, high performing organizations, customer oriented results, shared power, higher involvement, establishing a corporate vision, situational leadership, self leadership, partnering for performance, and leading change. Combined lecture with lab / and practicum. Prerequisite: Admission to Dixie State University Operations Management program. Offered in rotation in Operations Management program.

OPER 2080. Operations Management. 3 Hours.
Required of student in the Operations Management program. Provides intermediate level knowledge of managing operations in manufacturing, construction, and transportation. Includes developing an understanding of competitiveness, strategy, productivity, forecasting products, service design, reliability, decision theory, process selection, facility layout, linear programming, learning curves, supply chain management (SCM), inventory management, scheduling, and overall project management. Combined lecture with lab / and practicum. Prerequisites: Admission to Dixie State University Operations Management program; AND MAN 2010; AND MAN 2020. Offered in rotation in Operations Management program.

OPER 3030. Management Law. 3 Hours.
Required of student in the Operations Management program. Survey of the legal environment for business managers, including dispute resolution, property crimes, fundamental principles of tort liability, government regulations of enterprises and individuals, contracts, and sales. Prerequisite: Admission to Dixie State University Operations Management program. Offered based upon student need.