

AMMG - ADV MANUFACTURING MGMT (AMMG)

AMMG U300 Manufacturing Leadership I 3 Credit Hours

Manufacturing leadership including business communication, business presentations, spreadsheet basics, financial reports, supervisory skills, and leadership roles.

Prerequisite(s): MATH U121 or consent of instructor.

AMMG U330 Manufacturing Work Practices 3 Credit Hours

Manufacturing work practices including safety topics, lean manufacturing, training, and operational efficiency.

Prerequisite(s): AMMG U300 or consent of instructor.

AMMG U395 Internship 1-3 Credit Hours

Supervised practical experience related to the Advanced Manufacturing Management field in an elected setting planned in conjunction with the relevant AMM faculty.

Prerequisite(s): Junior standing and consent of instructor.

AMMG U398 Special Topics 3 Credit Hours

Selected topics in Advanced Manufacturing Management. Topics vary depending on faculty expertise. This course may be repeated for credit if the topic is different.

Prerequisite(s): Junior standing or consent of instructor.

AMMG U399 Independent Study 1-3 Credit Hours

A planned individual study program in conjunction with an Advanced Manufacturing Management faculty member. Course may be repeated for a total of no more than three hours of undergraduate credit.

Prerequisite(s): Consent of instructor.

AMMG U410 Manufacturing Leadership II 3 Credit Hours

Manufacturing leadership including budgeting, project selection, supervision, and leadership roles.

Prerequisite(s): AMMG U300 or consent of instructor.

AMMG U415 Manufacturing Quality 3 Credit Hours

Manufacturing quality practices including statistical process control, quality management systems, and problem solving methodology.

Prerequisites: MATH U102, AMMG U300, and AMMG U330; or consent of instructor.

AMMG U420 Manufacturing Project Management 3 Credit Hours

Tools and techniques for planning, and scheduling manufacturing projects.

Prerequisite(s): AMMG U300 or consent of instructor.

AMMG U450 Operational Excellence 3 Credit Hours

Advanced operational excellence. This course will build on concepts taught in AMMG U330 and U415 including value stream mapping, supply chain management, and change management.

Prerequisite(s): AMMG U330 and AMMG U415; or consent of instructor.

AMMG U500 Senior Seminar 3 Credit Hours

Manufacturing management concepts including an exploration of manufacturing's effect on the local community and global society.

Prerequisite(s): AMMG U410 and AMMG U450; or consent of instructor.