

**LUMPKIN COLLEGE OF BUSINESS AND APPLIED SCIENCES
EASTERN ILLINOIS UNIVERSITY**

EA-LCBAS-17-29
Effective Fall 2018

TO: Council on Graduate Studies

FROM: Mahyar Izadi, Dean

SUBJECT: EXECUTIVE ACTION

DATE: April 13, 2017

Effective: Fall 2018

Prefix change along with title, prerequisite, semester offered, and/or course description changes:

AET 4753 – Lean Manufacturing
AET 4823 – Facility Security
AET 4843 – Statistical Quality Assurance
AET 4943 – Manufacturing Management
AET 4970 – Special Topics in Technology

Request from Dr. Cheney attached.

cc Austin Cheney, Chair, School of Technology

cc
Austin Cheney, Chair, School of Technology

**LUMPKIN COLLEGE OF BUSINESS AND APPLIED SCIENCES
EXECUTIVE ACTION REQUEST**

TO: AMY ANNIS, Certification Officer

FROM: Austin Cheney, SoT Chair

DATE: 3/29/17

ACTIONS REQUESTED:

1. Change prefix to EGT for AET 4753, and change in prerequisite.
2. Change prefix to EGT for AET 4823.
3. Change prefix for AET 4843, change in title, change in prerequisite, and change in semester offered.
4. Change prefix to EGT for AET 4943, and change in prerequisite.
5. Change prefix to EGT for AET 4970.

RATIONALE:

The changes are required to accommodate the creation of a B.S. in Engineering Technology that is planned to begin fall 2018.

EFFECTIVE DATE: FALL 2018

CURRENT CATALOG COPY:

1. AET 4753 - Lean Manufacturing.
(3-0-3) On Demand. A course in the fundamental concepts, principles, and tools involved in Lean Manufacturing, including utilizing lean across industries as well as its implementation.

Prerequisites & Notes:

Junior Status and AET 1323 with a grade C or higher or equivalent course.
Course may not be repeated.

Credits: 3

2. AET 4823 - Facility Security.

Study of physical security system including: assets, threats, vulnerabilities, and risks; Crime Prevention through Environmental Design (CPTED), site, exterior, and interior security; physical protection system design; integrated security and surveillance systems; security assessment; and security management and its role in organizations.

Credits: 3

3. AET 4843 - Statistical Quality Assurance.
(3-0-3) F, S. Principles of total quality control; Shewhart control charts; acceptance sampling; capability and reliability studies.

Prerequisites & Notes:

AET 1323 and BUS 2810 or MAT 2250G.

Credits: 3

4. AET 4943 - Manufacturing Management.
(3-0-3) F, S. Survey of technical management areas in a manufacturing operation. This course will include but not be limited to a study of production control methods, plant layout, scheduling, inventory control, and other phases of planning, organizing, and controlling a manufacturing operation.

Prerequisites & Notes:

AET 1323 and MAT 2120G or 1441G. WI

Credits: 3

5. AET 4970 - Special Topics in Technology.
(Arr.-Arr.-1-4) On Demand. Study of special topics and emerging areas in technology not ordinarily covered in standard courses. Topics to be announced. Study may include readings, reports, group discussions, and laboratory activities.

Prerequisites & Notes:

Permission of the instructor.

Credits: 1 to 4

PROPOSED CATALOG COPY:

1. **EGT 4753 - Lean Manufacturing.**
(3-0-3) On Demand. A course in the fundamental concepts, principles, and tools involved in Lean Manufacturing, including utilizing lean across industries as well as its implementation.

Prerequisites & Notes:

Junior Status and **EGT 1323** with a grade C or higher or equivalent course.
Course may not be repeated.

Credits: 3

2. **EGT 4823 - Facility Security.**
Study of physical security system including: assets, threats, vulnerabilities, and risks; Crime Prevention through Environmental Design (CPTED), site, exterior, and interior security; physical protection system design; integrated security and surveillance systems; security assessment; and security management and its role in organizations.

Credits: 3

3. **EGT 4843 - Statistical Quality and Reliability.**
(3-0-3) S. Principles of total quality control; Shewhart control charts; acceptance sampling; capability and reliability studies.

Prerequisites & Notes:

EGT 1323 and BUS 2810 or MAT 2250G.

Credits: 3

4. **EGT 4943 - Manufacturing Management.**
(3-0-3) F, S. Survey of technical management areas in a manufacturing operation. This course will include but not be limited to a study of production control methods, plant layout, scheduling, inventory control, and other phases of planning, organizing, and controlling a manufacturing operation.

Prerequisites & Notes:

EGT 1303, EGT 2424, and EGT 4753. WI

Credits: 3

5. **EGT 4970 - Special Topics in Technology.**

(Arr.-Arr.-1-4) On Demand. Study of special topics and emerging areas in technology not ordinarily covered in standard courses. Topics to be announced. Study may include readings, reports, group discussions, and laboratory activities.

Prerequisites & Notes:
Permission of the instructor.

Credits: 1 to 4