MFGT 386 – Manufacturing Automation Systems  [3 units]  Class Number # 3723

PREREQUISITE:  EECE 110 and MFGT 360 (MFGT 201)

COURSE TIME SCHEDULE:
- Lecture  Mon & Wed 9:00 to 9:50 am
- Lab activity 1  Mon 2:00 to 4:50 pm
- Lab activity 2  Tues 2:00 to 4:50 pm  (if necessary)

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        ME&M Department Phone:  898-5346
        Home Phone:  891-4945

OFFICE HOURS: Mon 12 – 1, Tues 2 – 4, Wed 12 – 2

CATALOG DESCRIPTION:
A study of the programming and function of industrial robots and other
automation systems used in modern manufacturing environments. Concepts
include: end effector design, material movement, storage and retrieval
systems, programmable logic controllers, and vision systems. Lecture,
demonstrations, and laboratory exercises are designed to promote
understanding of manufacturing automation systems.

            Programmable Logic Controllers, Petruzella  (ISBN 0-02-802661-6)

COSTS DURING TERM OF COURSE:
- Lab Fee:  $5.00  [REQUIRED]
- Safety Glasses:  [REQUIRED]

LAB SAFETY POLICIES and PROCEDURES:
Read and understand the Department's Lab Safety Policies and Procedures
Fill out the Acknowledgement of Lab Safety Policies and Procedures form,
sign it and turn it in for filing.

EVALUATION PROCEDURE:
- Laboratory exercises……………………………………30%
- Article Reviews…………………………………………10%
- Spot tests …………………………………………. 10%
- Mid-term exam ………………………………………20%
- Final exam………………………………………………20%
- Field Trip Reports……………………………………..10%

Total 100%