



UNC CHARLOTTE

The WILLIAM STATES LEE COLLEGE of ENGINEERING

## Senior Design Project Description for FALL 2016

### Project Title: Evaluation of Operation of Manufacturing Centers (LIV\_MANUF)

Supporter: Livingston and Haven

Supporter Technical Representative: ASSIGNED

Faculty Mentor: \_\_\_\_\_ ASSIGNED  TBD (check one)

Single Team  Dual Team \_\_\_\_\_ (check one)

Personnel (EN/ET): \_\_\_\_\_ E, \_\_\_\_\_ Cp, \_\_\_\_\_ Cv, \_\_\_\_\_ M, 6 SE

(Complete if the number of students required is known)

Expected person-hours: (250 per student)

#### Description of Project:

Livingston and Haven manufactures components in hydraulics, pneumatics, electrical and mechanical automation. The manufacturing is located in 6 different work centers. This project is to evaluate and analyze how the work centers function.

#### Initial Project Requirements (e.g. weight, size, etc.):

The operation of the work centers are to be evaluated to develop recommended improvements in the operation of the work centers. The evaluation is to include how each work cell is laid out.

#### Expected Deliverables/Results:

The deliverable will be a report summarizing the evaluation with recommendations for improvement.

#### List here any specific skills or knowledge needed or suggested (If none please state none):

None