

# 智慧製造與自動化

## Intelligent Manufacturing and Automation

### IEEM536600

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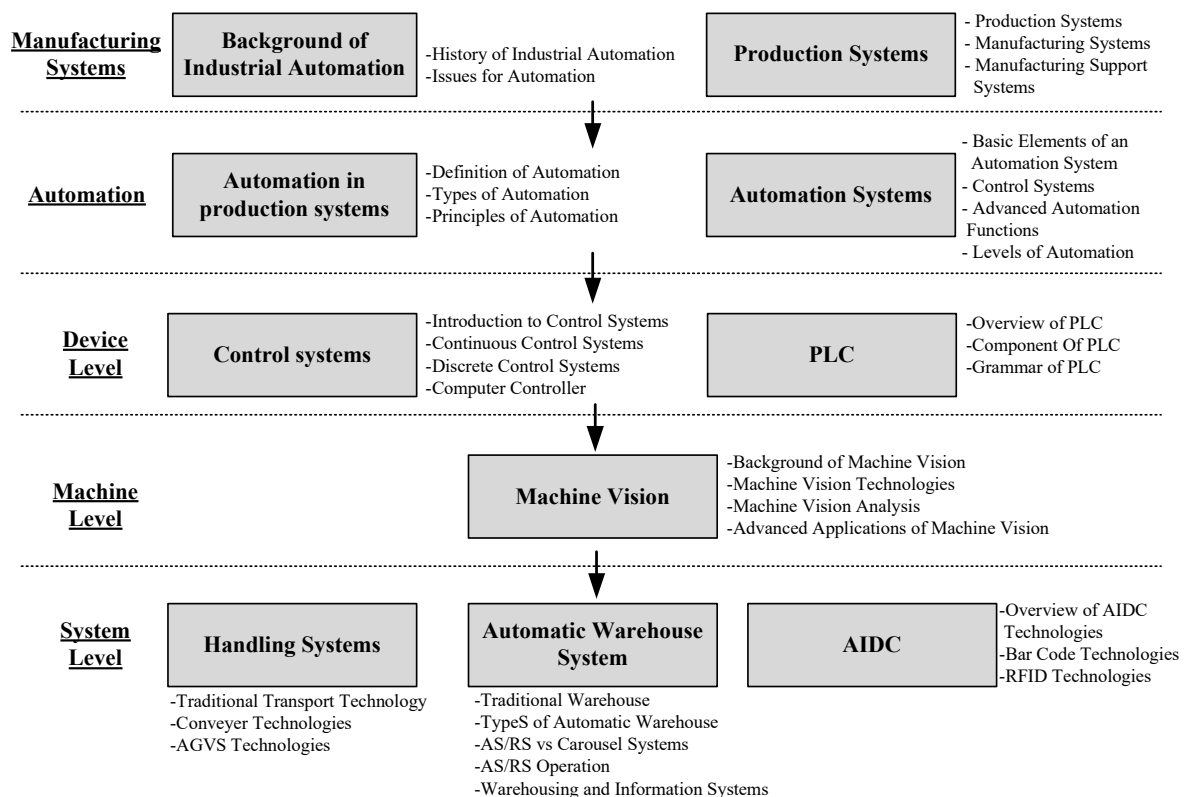
#### Textbook

- Groover, M. P., *Automation, Production System, and Computer-Integrated Manufacturing*, Prentice Hall.

#### Descriptions

This course aims at the fundamental technologies and applications for manufacturing system automation. In this course, we will introduce the basic concepts about manufacturing systems and automation, control systems, sensors, actuators, material handling systems, warehouse systems, computer vision & AOI, AIDC, and flexible manufacturing systems. However, some automation topics (e.g., CAD/CAM and NC machining) will be dropped out from this course since they will be (has been) taught in other ones (e.g., CAD/CAM and Manufacturing Processes). In this course, we will only mention their relationship with other automation issues.

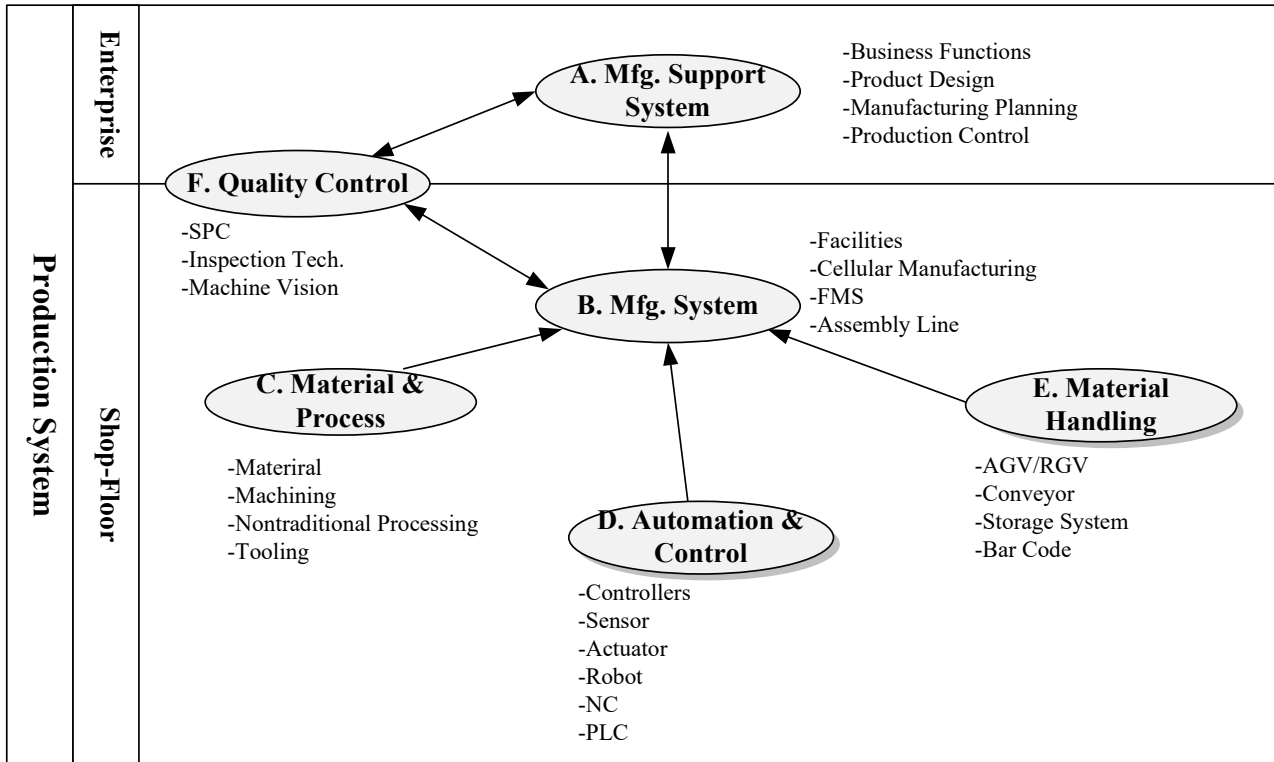
#### Outlines



#### Grading

3 Assignments, 1 mid-term examination (2022-04-\*\*), 1 final examination (2022-06-\*\*)

**Final Score**=0.5\*Average(mid-term, final)+0.5\*Assignments



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