

製造系統與自動化

Manufacturing Systems and Automation

IEEM536600

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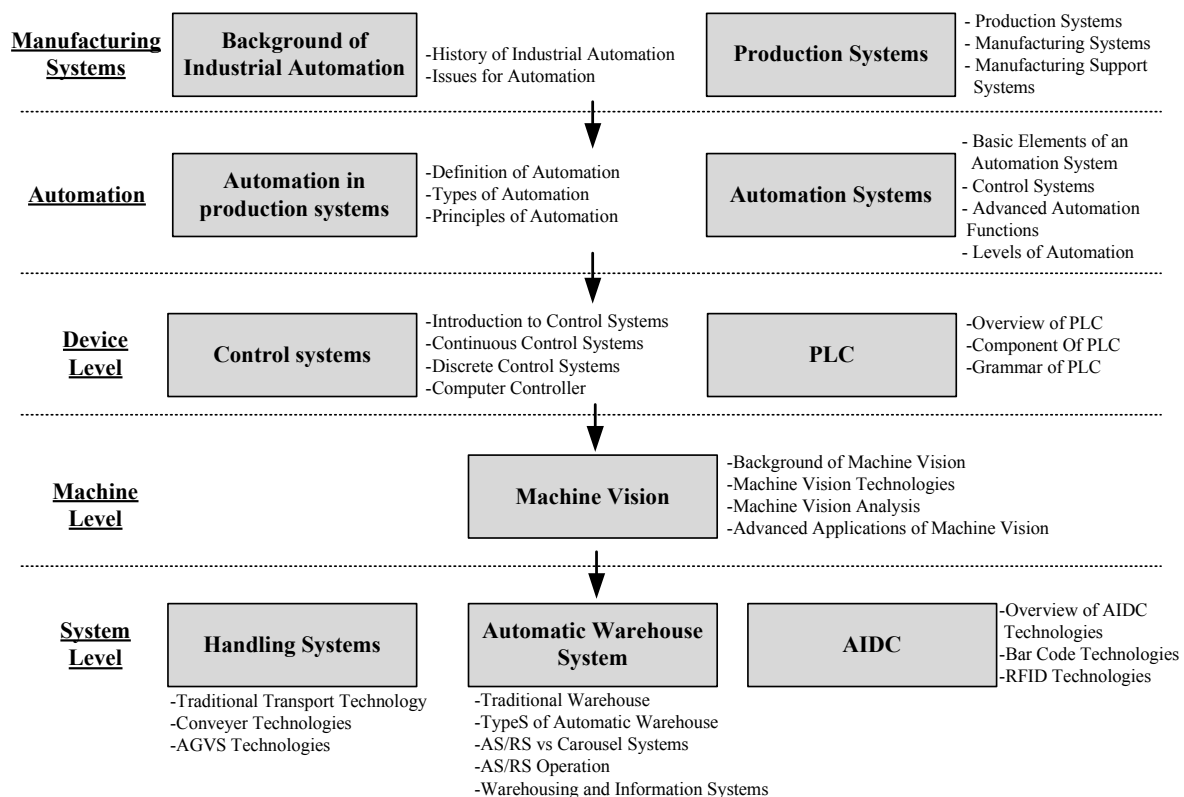
Textbook

- Groover, M. P., *Automation, Production System, and Computer-Integrated Manufacturing*, Prentice Hall, 3rd Edition.

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

4 Assignments, 1 mid-term examination (2013-11-11), 1 final examination (2014-01-13)

Final Score=0.3*Max(mid-term, final)+0.2*Min(mid-term, final)+0.5*Assignments

