



universität  
wien

**POM**  
PRODUCTION  
& OPERATIONS  
MANAGEMENT

# QEM: Management Science part POM

Introduction

# Preliminary Program

| Date       | Topic                                       |
|------------|---|
| 05.05.2014 | Intro, Location Problems                    |
| 12.05.2014 | Configuration: Assembly line balancing      |
| 19.05.2014 | Transportation problems, Aggregate planning |
| 26.05.2014 | PPS, MPS                                    |
| 02.06.2014 | MRP, lotsizing                              |
| 16.06.2014 | Production control, scheduling              |
| 23.06.2014 | Exam  |

# Decision Levels

- Strategic issues: long run, top management, poor data, highly stochastic (e.g. which markets, location, etc.)
- Tactical issues: medium run, build up infrastructure, intermediate management, better data, less stochastic (e.g. configuration, capacity expansion, ...)
- Operational issues: short run, use infrastructure efficiently, lower management, detailed data available, little stochastics (e.g. production program, MRP, lot-sizing, scheduling, ...)