

TU-A1300 - Introduction to Industrial Engineering and Management, 07.09.2020-30.11.2020

Grades

Sections

» TU-A1300 Home

» Materials

» Accounting Exercises

» Week 1: Course Introduction and IEM as a Science

» Week 2: Value as the Foundation of Business

» Week 3: Production Systems and Organizations

» Week 4: The Production Process and Production Control

» Week 5: Production as Part of the Value-Chain

» Week 6: Project Business and Midterm Recap

» Week 8: Accounting and Profitability

# TU-A1300 - Introduction to Industrial Engineering and Management, 07.09.2020-30.11.2020

Dashboard / Courses / School of Science / department of... / tu-a1300 - in... / Sections / week 4: the p... / week 4 group ...

## Week 4 Group Exercise Submission

**Due:** Monday, 5 October 2020, 6:00 PM

Mark as done

Submit your project exercise for this week here.

### Your tasks:

1. **Material flows and facilities** (1-2 pages)

- What type of layout is utilized in your production system?
  - How would the process steps be aligned in your production system? (arriving raw materials, manufacturing tasks, customer flow, etc.)
  - Draw a process flow chart and briefly explain the tasks.
2. **Production flow** (1 page)

- Does your production system utilize push or pull control?
  - Estimate the throughput time and flow efficiency.
3. **Minimizing waste** (1 page)

- What kind of deviation of quality can be present in your production system?
  - Present ways to reduce the deviation of quality.
  - In other words, how can you ensure technical quality in your products?
  - How can your business minimize waste in production?

**Recommended Format:** Times New Roman, size 12, line spacing 1.5, Harvard referencing

### Tips:

- Assign responsibility within your group as early as possible.
- Search for relevant information and good sources online - in the real world you will not have all the information memorized, and that is normal.
- If you have any questions, come to the exercise sessions and ask us in Telegram.

### Deadline:

- The deadline is Monday, 5/10 at 18:00
- It is enough for 1 group member to submit the assignment
- The grading is on a scale from 0 to 100 and is converted to points at the end of the course

◀ Week 4 Case Studies

Week 5 Pre-lecture Readings ▶



Tuki / Support

**Opiskelijoille / Students**

- [MyCourses instructions for students](#)
- email: mycourses(at)aalto.fi

**Opettajille / Teachers**

- [MyCourses help](#)
- [MyTeaching Support form](#)

Palvelusta

- [MyCourses rekisteriseloste](#)
- [Tietosuojailmoitus](#)
- [Palvelukuvaus](#)
- [Saavutettavuusseloste](#)

About service

- [MyCourses protection of privacy](#)
- [Privacy notice](#)
- [Service description](#)
- [Accessibility summary](#)

Service

- [MyCourses registerbeskrivining](#)
- [Dataskyddsmedelande](#)
- [Beskrivining av tjänsten](#)
- [Sammanfattning av tillgängligheten](#)

