# Should Software Engineering Projects be the Backbone or the Tail of Computing Curricula?

**Conference on Software Engineering Education and Training**

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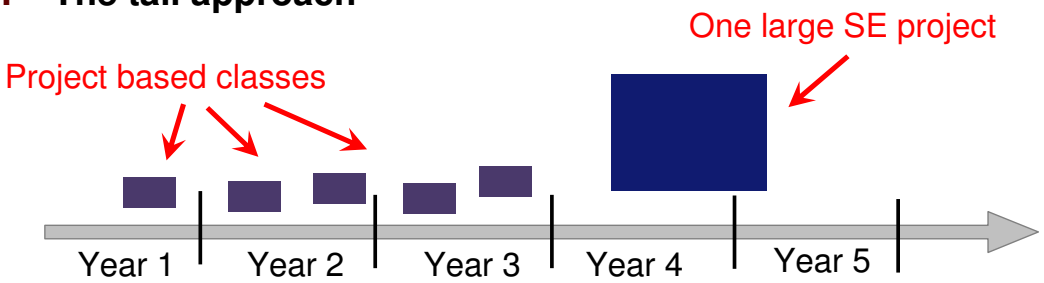
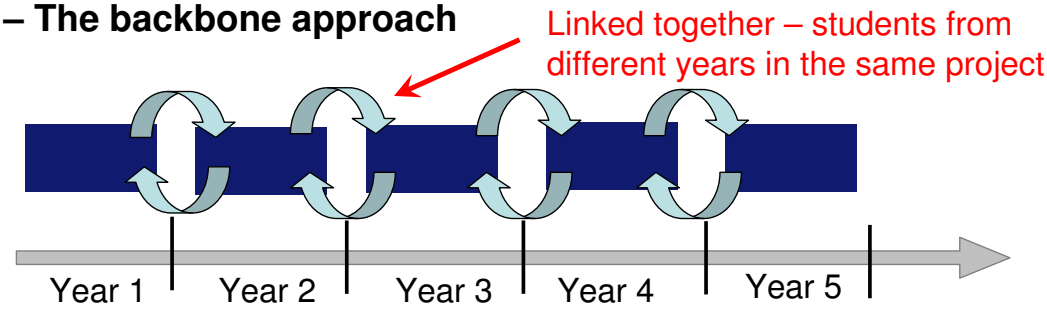
## Introduction and agenda

**Part I – The tail approach**




**Part II – The backbone approach**



# Part I
The tail approach

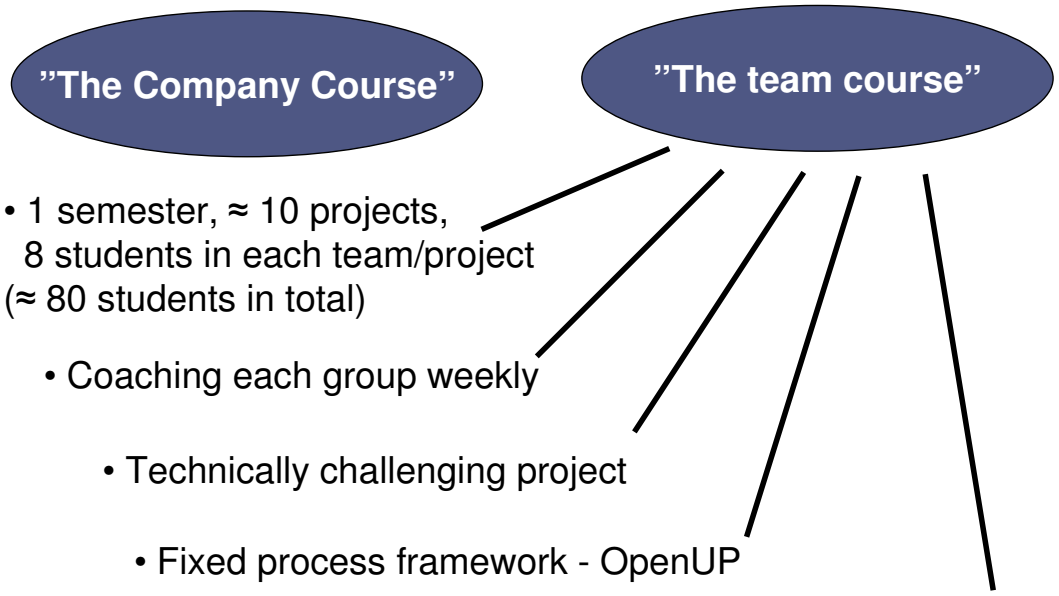
# SE Project at LiU, Sweden

**”The Company Course”**

**”The team course”**

- 1 semester, 4 companies, 30 students in each company (≈ 120 students)
- CEO, R&D and P&S departments + cross-functional teams
- Played but realistic customer
- Multicultural
- Prestudy + 3 iterations - reflect on methodology
- Practice-pull. No milestones for artifacts. Focus on the process (how not what)

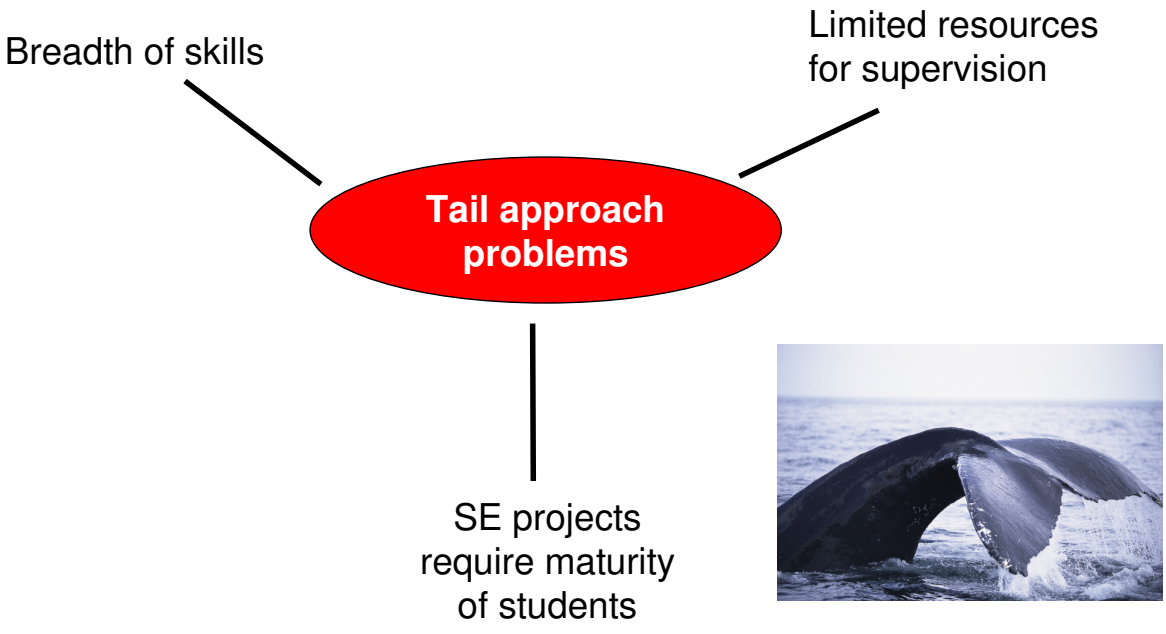
# SE Project at LiU, Sweden





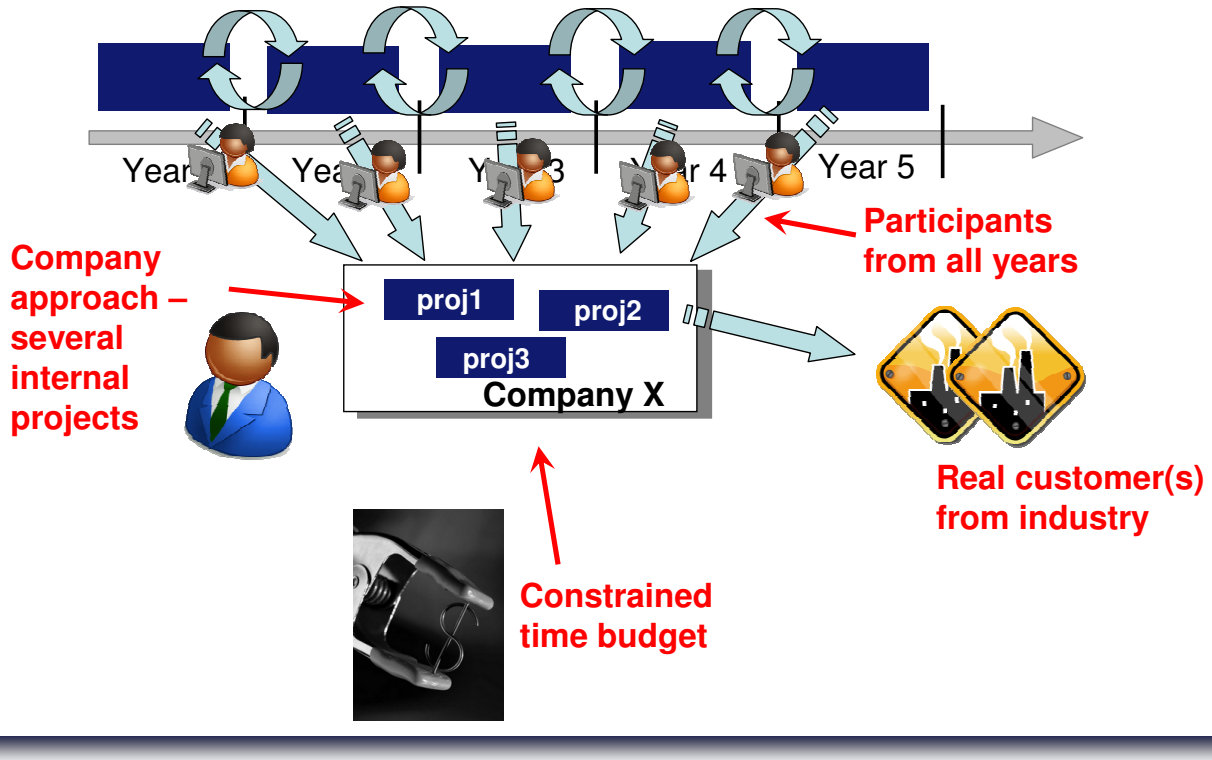



# Problems with the tail approach

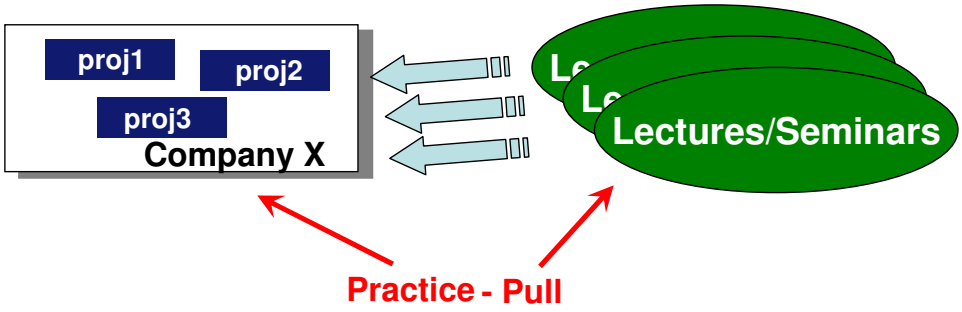


# Part II
## The backbone approach

# Backbone approach – the basic idea



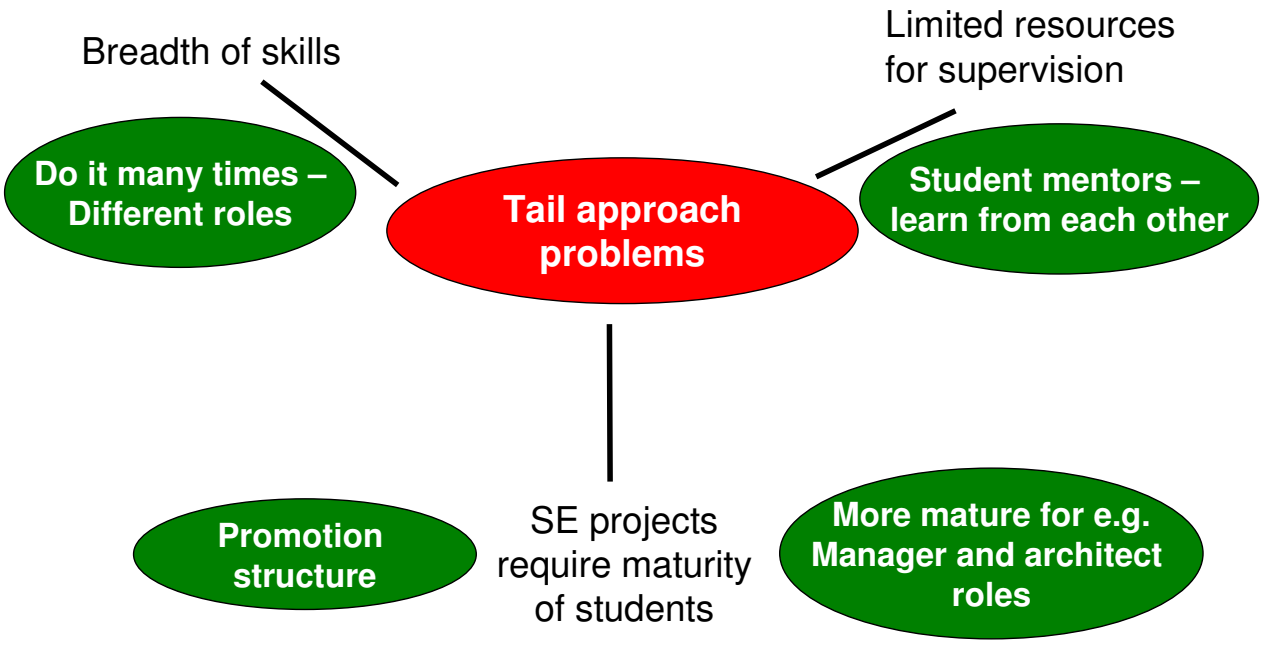
# How does this affect other courses?








# What problems are we solving?



# Conclusions

**Iterative learning**

**Practice-pull**

**Should Software Engineering Projects be the Backbone or the Tail of Computing Curricula?**

**Active learning in a context**

## Thanks for listening!