



ВЫСШАЯ ШКОЛА ЭКОНОМИКИ

НАЦИОНАЛЬНЫЙ ИССЛЕДОВАТЕЛЬСКИЙ УНИВЕРСИТЕТ

Faculty of Social Science, Department of Psychology

Psychology of Software Development Team Management

Alexey Klimov, 2017

aklimov@hse.ru

Информация о курсе

Psychology of Software Development Team Management
(читается на английском языке)

Где читается: Факультет компьютерных наук

Уровень: Магистратура, 2 курс

Направление: 09.04.04. Программная инженерия
«Системная и программная инженерия»

Страница курса:

<https://www.hse.ru/edu/courses/205517544>

Case method

Developed at
**Harvard Business
School** (School of
Law)



Course was based on classical
case method

- Widely used in MBA
- Think ▷ Implement ▷ Reflect
- Used in field studies

Case method benefits:

- The distinctive academic rhythm made the learning more meaningful
- Privilege of learning from my classmates
- Learned to take a position and express my thoughts in a convincing manner

Case method in form of project

Was implemented as a team homework project (shared group task)

How case project was organized in previous?

Homework is in the form of case study development and analysis, providing in teams of 4 - 5 students.

The topics and cases select by the student based on their interests. Once approval of the topic is obtained from course instructor, the student writes the case study based on the information from public sources, personal experience and imagination.

There were two versions:

- Development own case
- Analysis of case study

Adopting Problem-Based Learning principles

To the classical Harvard-like case method

Adopting Problem-Based Learning principles

To the classical Harvard-like case method

Problem-based learning principles (according to Dolmans, 2011)

1. **Constructive** (project is helpful for IT, managerial and psychological fields)
2. **Self-directed** (student can choose from two topics and describe personal-related problem)
3. **Collaborative** (students can work in pairs or small groups, in cooperative manner they can split and write cases by their own, chose best one and share mark; in collaborative manner student can help each other by provide initial feedback, correct analysis etc. to foster and improve group mark)
4. **Contextualized** (checking variety of cases can extend understanding of field, case specificity to IT field, presentation of cases initiates sharing professional experience)

Adopting Problem-Based Learning principles

To the classical Harvard-like case method

Additions

- **Motivation**

Why? etc.

- **Group issues (free-riders)**

Individual vs group task

Individual vs group mark

- **Form basis for different examples**

In form of case specification

Task description (case description)

Final Home Assignment: Case analysis project

Motivation: case method widely used in law and managerial studies, but in specific fields (like IT-industry) finding examples of cases of problems in IT-teams and communication with clients is a bit problematic.

Analysis of case can

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Case specification

A. Organizational level

Amount of employees

Enter № here:

- 1 Freelancer
- 2 Startup, small team, not many workers, one office
- 3 Average company, already exists different departments, but not for all processes
- 4 Something in between
- 5 Large company, large amount of workers. The most processes are automatized

Company Internationality

Enter № here:

- 1 All teams are fully-native (domestic)
- 2 Something in between
- 3 Mixed-teams in company 50/50
- 4 Something in between
- 5 Mostly all teams consists from people from different countries

Company Industry

Choose the most appropriate category (in text form) from list below
<https://gist.github.com/rhangelxs/0f3cf967ab874e4d6d9c72e4999fa5fc>

Enter industry type:

B. Team vs small-group everyday behaviors

Number of team members at all

Enter № here:

Specify number of team members

Team Internationality

Enter № here:

- 1 Native team
- 2 Something in between
- 3 Mixed-team 50/50
- 4 Something in between
- 5 Mostly all members from different countries

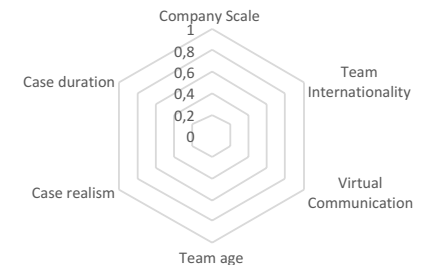
Virtual Communication

Enter № here:

- 1 Only virtual communication, calls, video-conferences. No opportunity for real life interaction
- 2 Something in between
- 3 Mostly communication by calls, mails. But exists opportunity to create real life meetings
- 4 Something in between
- 5 Close interaction, opportunity to immediately connect to

A. Organizational level	Company Scale	0
	Team Internationality	0
	Virtual Communication	0
B. Team level	Team age	0
C. Case level	Case realism	0
	Case duration	0

IT-cases specification



Summary

- Engagement based on publishing of student's work
- Case specification (or any framework) is helpful to build one consistent basis for all cases
- Learning objectives achieved by reflection, sharing group expertise and getting feedback
- Student can choose to work individually or in a group