

Cooperation with stakeholders as a part of the curricular system

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Three types of activities

1. Cooperation with stakeholders as a topic of mobility related classes
2. Cooperation with stakeholders under engineer's and master's thesis
3. Cooperation with stakeholders within work of the Student Research Group

CWS as a topic of classes (1)

1st degree students of the *Land Management* specialty required to take the course '**Sustainable development and transport**':

- Mobility management issues
- Mobility plans for sites generating large traffic
- Students' projects: mobility plan for selected traffic generators (including universities)

CWS as a topic of classes (2)

1st degree students of the *Land Management* specialty required to take the course '**Sustainable development and transport**':

- Simulation workshop – students acting the roles of different stakeholders in a planning process:
 - The aim is to find the compromise for the future transport solutions in the chosen area;
 - Students learn what is important for particular stakeholders and how to lead the public participation process.

CWS as a topic of classes (3)

2nd degree students of the *Land Management* specialty required to take the course ‘**Sustainable Urban Mobility Plans (SUMPs)**’:

- Students learn about the SUMP process
- Students’ projects: SUMP for selected Polish city

Students:

- identify and analyze stakeholders of the SUMP process,
- elaborate stakeholder’s involvement plan (who, when and how)

CWS under engineer's and master's thesis

Students of the *Land Management* and *Transport* specialties write thesis about mobility plans for selected traffic generators:

- Stakeholders' support (providing data for analysis, enable to carry out the surveys)
- Examples of the thesis:
 - Mobility Plan for the Marshal's Office of the Malopolska Region
 - Mobility Plan for the Orange Office Park in Cracow
 - Mobility Plan for a General Education School Complex no 1 in Tarnów
 - Mobility Plan for the area of Jaworzno II and III Power Station

CWS within work of the Student Research Group (1)

Student Research Group of Transportation Systems:

- Established to bring together students interested in transport, who want to work on real problems in their free time;



CWS within work of the Student Research Group (2)

Student Research Group of Transportation Systems:

- The Group meets every month; projects are often ordered by different stakeholders;
- At the end of the semester the students present projects; stakeholders are invited to view students' presentations;

CWS within work of the Student Research Group (3)

Student Research Group of Transportation Systems:

- Open meetings with representatives of stakeholders, who talk about their work, problems and challenges facing the industry



CWS within work of the Student Research Group (4)

Workshops for students with different stakeholders:

- 2-4 day workshops, outside of Krakow city;
- Students work on real, serious problems and they have to find the best solutions;
- Experts from different sectors are involved, sharing experience and supporting students;
- Results of the students' work are presented to regional or local authorities or to other decision makers.

CWS within work of the Student Research Group (5)

Workshops for students with stakeholders:

- 7 workshops since 2015;
- Almost all organised on behalf of stakeholders;
- Selected students' proposals have been implemented.

CWS within work of the Student Research Group (6)

The first and most famous workshop → a concept of transport service for the World Youth Days (2016)



Conclusions

- The best way to learn is not only through listening to lectures, but also by working on real problems;
- Through playing the roles of different stakeholders, students can experience what is important for particular groups and learn how compromise can be reached;
- A rich educational offer with interesting alternatives for free time activities can provide a valuable education for transport professionals;
- To see problem solutions through observing professionals is a great learning opportunity; it is very important to create an environment for students to cooperate with experts.



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Thank you for your attention!

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