1.	**Course title:**	
	Scientist's ABC, workshop	
2.	**Lecturer:**	
	dr hab. Edyta Zawisza, professor	
3.	**Field, type and level of studies, year of study:**	
	all specializations and all years of study	
4.	**Course character:**	
	GeoPlanet interdisciplinary workshop	
5.	**Teaching method:**	
	face-to-face workshop	
6.	**Language:**	*English*
7.	**Course type and number of hours:**	
	workshop, practice, 8h	
8.	**Estimated load of student's independent work:**	*5h*
9.	**Total workload and number of ECTS points:**	*2 ECTS*
10.	**Short description and main focus of the course:**	

	During workshop participants will learn and practice two main aspects of scientific work:
	● *The importance of the group work, including*
	  - visualization of group work,
	  - how to plan research project,
	  - who I am in the group and what is my role
	
	  and
	
	● *The importance of the self-presentation*
	
	Participation in workshop is not requiring any previous knowledge.	

11.	**References:**	
	Caniëls, M. C., & Romijn, H. A. 2008. Actor networks in strategic niche management: insights from social network theory. Futures, 40(7), 613-629. *de Vicente Javier and Sterrenberg Lydia 2015. Toolkit for socio- technical transition*	

	workshops. Utrecht 2015. *Fantin I. Applied Problem Solving. Method, Applications, Root Causes, Countermeasures, Poka-Yoke and A3. How to make things happen to solve problems. CreateSpace Independent Publishing Platform Ed. Milan 2014. Paperback 212 pp. ISBN 9781499122282.* *Krogerus M And Tschäppeler R. 2011. The decision Boom. Fifty models for strategic thinking. Profile Books LTD. London 2011.* *Narberus Mitcha, 2013. How to break out of the system trap? A model to support conversations for a more strategic activism. Discussion paper. SMARTCSOs, 2013.*	
12.	**Prerequisites:**	
	none	
13.	**Educational outcomes:**	**PQF level 8 codes:**
	Knowledge: *Students knows the basic system innovation tools. They understand the basic terminology concerning the system innovation and importance of other self-presenting methods.*	*P8S_WK*
	Practical Skills: *Students are able to identify the most important issue of their research. They are able to choose appropriate system innovation method for solve research problem. They are able to present graphically and numerically the analytical results based on system innovation tools.*	*P8S_UK, P8S_UU*
	Social Skills: *Students are ready to work in a team in the field of professional tasks. They are able to present their research object and importance of research in professional speech.*	*P8S_KK*
14.	**Evaluation of the educational outcomes:**	
	presentation during the workshop, active attendance	
15.	**Criteria to complete the course:**	
	attendance	
16.	**Contact with the lecturer:**	
	e-mail: ezawisza@twarda.pan.pl	