Planetary Geosciences and Exploration: Reading Group

- ***COURSE SYLLABUS***

1.	**Course title:** *Planetary Geosciences and Exploration: Reading group*	
2.	**Lecturer:** *Dr Sam Poppe*	
3.	**Field, type and level of studies, year of study:** *Planetary geoscience, Solar System Exploration, Scientific writing, all levels of studies, all years of study*	
4.	**Course character:** *Monographic course (Individual specialization classes)*	
5.	**Teaching method:** *Hybrid: in-person at CBK PAN and online attendance*	
6.	**Language:**	*English*
7.	**Course type and number of hours:** *Bi-weekly discussion sessions in both semesters, 12 sessions amounting to 12h*	
8.	**Estimated load of student's independent work:**	*18h*
9.	**Total workload and number of ECTS points:**	*30 h, 2 ECTS*
10.	**Short description and main focus of the course:** *This course is a reading group held as 12 one-hour sessions spread over both semesters of the academic year (appr biweekly). Each session is moderated by the lecturer and attended by the student and early-career members of the Mars Exploration Laboratory.* *Before each session, a recently published scientific article of impact in planetary geoscience and exploration will be selected and read individually by all reading group participants. During the session, moderated by the lecturer, the participants will discuss the scientific method, writing style, and scientific interpretation of the author. This way, the students will be trained in good practice in scientific writing and publication of scientific results, and the discussion of the latest findings in planetary geoscience. The emphasis will be on solid planetary bodies in our Solar System.*	
11.	**References:** *The papers will be selected during the academic year by the lecturers in coordination with the entire reading group.*	
12.	**Prerequisites:**	

	Knowledge of planetary geoscience and exploration at intermediate level. Scientific papers are selected in planetary geoscience, but of a sufficiently short format in high-impact journals with a broad impact, as to avoid too technical niche studies. This allows students from other groups within and outside of CBK PAN to join.	
13.	**Educational outcomes:**	**PQF level 8 codes:**
	Knowledge: *this course gives an overview through the reading of the newest scientific findings in planetary geology and exploration*	*P8S_WG, P8S_WK*
	Practical Skills: *Students will acquire and discuss methods in scientific methodology, writing, and presentation of results.*	*P8S_UW, P8S_UK, P8S_UO*
	Social Skills: *Students will be readied to critically analyze and discuss scientific results and report results in scientific papers.*	*P8U_K*
14.	**Evaluation of the educational outcomes:**	
	Attendance and active participation at the reading group sessions; pass/fail	
15.	**Criteria to complete the course:**	
	Attendance (40%) plus active participation in the discussions (60%)	
16.	**Contact with the lecturer:**	
	sampoppe@cbk.waw.pl	