

Department of Polar Science Course Registration Model (Doctoral Program)

Fields of education and research guidance : Polar space and upper atmospheric Sciences

Research topics : Reaction of the mesosphere to aurora phenomenon

Year	Comprehensive subjects	Credits	School common foundation subjects	Credits	Introductory subjects group	Credits	Specialization subjects group	Credits	Research guidance subjects group	Credits	Fieldwork
3	Student seminars	1	Introduction to Advanced Earth Science I	2			Auroral Physics	2	Special Lectures for Dissertation III	2	Participate in optical observation of auroras and EISCAT simultaneous observation experiment in winter at Longyearbyen.
	SOKENDAI lectures	1	Introduction to Advanced Earth Science II Measurement of space and atmosphere	2 2			Fundamental physics on the upper-atmospheric waves	2	Special Exercise for Dissertation III	2	
<p><Goals> Determine a research theme and research plan for the doctoral thesis. Collect necessary data in accordance with the theme of the doctoral thesis, through fieldwork or other means, and analyze the data. At the student presentation sessions in February, explain your research findings to date and show a research plan for further work. This presentation is reviewed by supervisors, as well as by the entire body of academic staff in the department.</p>											
4							Magnetospheric Physics	2	Special Lectures for Dissertation IV	2	
									Special Exercise for Dissertation IV	2	
<p><Goals> Finish collecting all the data necessary for the doctoral thesis and proceed with analyzing the data. Start writing the thesis. In addition, prepare a paper on a topic connected with the doctoral thesis and submit it to a peer-reviewed journal. At the student presentation sessions in February, explain your research findings to date. This presentation is reviewed by supervisors, as well as by the entire body of academic staff in the department.</p>											
5									Special Lectures for Dissertation V	2	
									Special Exercise for Dissertation V	2	
<p><Goals> Proceed with writing the doctoral thesis. The thesis should be 80% complete (at the standard of a doctoral thesis) by the preliminary assessment stage. After the preliminary assessment, be sure to address all the issues raised by the preliminary assessment committee before applying for the final assessment. Then work to complete the thesis.</p>											

No. of credits	2	6	0	6	12
	(1)	(2)	(3)	(4)	(5)

Obtained credits	26
Credits needed for degree	10

(Note that 4 credits from category 2 must be included. Up to 2 credits from category 1 can be counted towards the degree. In addition, credits earned from other universities can also be counted towards the degree, in accordance with the credit exchange system, subject to specified limits.)