Department of Polar Science Course Registration Model (5-year Integrated Doctoral Program)

Fields of education and research guidance : Polar space and upper atmospheic Sciences Research topics : Aurora particle acceleration based on aurora observation

Year	Comprehensive subjects	Credits	School common foundation subjects	Credits	Introductory subjects group	Credits	Specialization subjects group	Credits	Research guidance subjects group	Credits	Fieldwork
1	Student seminars	1	Introduction to Advanced Earth Science I	2	Introduction of upper atmosphere physics	2	Measurement of the upper atmosphere with electromagnetic waves	2	Special Lectures for Dissertation I	2	
	SOKENDAI lectures	1	Introduction to Advanced Earth Science II	2			Auroral Physics	2	Special Exercise for Dissertation I	2	
			Introduction to Earth observation Metrology	2			Magnetospheric Physics	2			
	<goals></goals>										
	As you broadly study multidisciplina	ry scier	nces and polar science, set up a genera	al fran	nework for the research theme and the	rese	arch plan of your doctoral thesis. At the	e stud	ent presentation sessions in February	, expla	in your research findings to
2	date and present your plan for furthe	er rese	Arch work. This presentation is reviewe		supervisors, as well as by the entire boo	ay or	Polar Plasma Wayo Theony	2	Special Lectures for Dissertation II	2	Participate in observation of
			ineasurement of space and atmosphere	2			Foldi Flasifia Wave fileory	-	Special Electrices for Dissertation II	2	geomagnetically conjugate points
									Special Exercise for Dissertation II	2	of auroras in Iceland at the time of the autumnal equinox and check
											the performance of observation
	<goals></goals>				ii						equipment.
	Narrow down the themes of your door	ctoral th	esis and decide on a research plan on t	the ob	servation-based research in the polar re	egion	s. Create a prototype of an observation	devi	ce in the first semester, and check its p	erform	ance in the second semester
	At the student presentation sessions	s in Fel	pruary, explain your research findings to	o date	and present your plan for further research	arch v	vork. This presentation is reviewed by	super	visors, as well as by the entire body o	f acad	emic staff in the department.
3									Special Lectures for Dissertation III	2	Join the summer party of
									Special Exercise for Dissertation III	2	the Japanese Antarctic Research Expedition in the
											second semester to install
											the aurora observation equipment.
	Apply for participation in the summe	er party	of the Japanese Antarctic Research Ex	kpedit	ion. Complete the observation equipme	ent in	the first semester and then install it at	the S	howa Station in the second semester	and co	mmence observation. At the
	student presentation sessions in Fe	bruary,	explain your research findings to date	and p	resent your plan for further research wo	ork. T	his presentation is reviewed by superv	isors,	as well as by the entire body of acad	emic st	aff in the department.
4									Special Lectures for Dissertation IV	2	
									Special Exercise for Dissertation IV	2	
	-Goales										
	In the first semester, start writing a t	hesis n	nanuscript by putting together informati	on on	the observation equipment and your in	itial c	bservation results. Also in the first sen	neste	r, finish collecting all the data necessa	ry for t	he doctoral thesis and
	proceed with analyzing the data. In student presentation sessions in Fe	the sec bruary	ond semester, start writing the thesis. I explain your research findings to date	n add This	ition, prepare a paper by compiling info presentation is reviewed by supervisors	rmati	on on the observation equipment and well as by the entire body of academic	initial staff	observation results, and submit it to a in the department	peer-r	eviewed journal. At the
5			, ,			,	.,		Special Lectures for Dissertation V	2	Conduct sampling of
									Special Exercise for Dissertation V	2	microorganism communi-
											high mountains of Japan in
											summer.
	<goals> Proceed with writing the doctoral the assessment committee before apply</goals>	esis. Th ying for	e thesis should be 80% complete (at the final assessment. Then work to co	ne sta mplete	ndard of a doctoral thesis) by the prelin e the thesis.	ninary	y assessment stage. After the prelimina	ary as	sessment, be sure to address all the i	ssues	raised by the preliminary
No. (of credits	2		8		2		8		20	
		(1)		(2)		(3)		(4)		(5)	
Obt	tained credits 40	() []		in al.	de de la la de Orana dita forma antes su status		e contra di territori de tito e de escare di 1970 e se		the second force all second to a 'the second	- 1	
Credits needed for degree 40 (Note that 8 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 addition, credits earned from other universities can also be counted towards the degree.											

in accordance with the credit exchange system, subject to specified limits.)