Doctor's Program Subject and Completion Requirements 2020

Department of Computer Science

Code	Classification	subject name	Instructor	Unit		School hour a week				remarks
				Core Subjects	Elective subject	1st.Grade		2nd.Grade		
						Spring and Summer Terms	Fall and Winter Terms	Spring and Summer Terms	Fall and Winter Terms	
333304	G・M	Advanced Seminar on Computer Science Ⅰ	All Staff		2	2				
333305	M	Advanced Seminar on Computer Science Ⅱ	All Staff		2		2			
333605	G・M	Advanced Integrated Sciences	Leibnitz Kenji Ferdinand Peper Cruz Jason Paul Miranda		2	2				
333406	M	Exercises on Information Engineering for Interactive Creation A	Taro Maeda Haruo Takemura Toru Fujiwara Yuki Uranishi Susumu Date Yuichi Ito		4	4	4			
333706	M	Integrated Biological and Information Engineering	Hiroshi Shimizu Fumio Matsuda Yoshihiro Toya Nobuyuki Okahashi		2	2				
333306	M	Internship on Computer Science D	All Staff		2	3	3	(※3)		
333010	G・M	Academic Internship Abroad D(S)	All Staff		4	6	6	(※6)		(Common subject for all departments)
333012	G・M	Academic Internship Abroad D(L)	All Staff		8	12	12	(※12)		(Common subject for all departments)
333014	M	Humanware Fundamentals I D	Takahiro Hara Kazufumi Hosoda Satoru Iwasaki MAHZOON HAMED Yuichi Sudo		2	2				
333015	M	Humanware Fundamentals II D	Takahiro Hara Satoru Iwasaki Yusuke Ogura Ittetsu Taniguchi Shin-ichi Arakawa Kenji Yasunaga Nobuyuki Okahashi Yuichi Sudo Kazufumi Hosoda		2		2			
333016	M	Humanware Innovation Creation D	Masanori Hashimoto Takahiro Hara Kazufumi Hosoda		2		2			
333017	M	Humanware Seminar D	Hiroshi Shimizu MAHZOON HAMED Ittetsu Taniguchi Shin-ichi Arakawa Satoru Iwasaki Kazufumi Hosoda		2	1	1			
333018	M	Humanware Innovation Introduction D	Tatsuhiro Tsuchiya Naoki Wakamiya		2	1	1			
333019	M	Humanware Communication D	Yusuke Ogura Takahiro Hara Kazufumi Hosoda		2	1	1			
333020	M	Humanware Interdisciplinary Project Studies D	Fumihiko Ino Hiroshi Shimizu Ittetsu Taniguchi Shin-ichi Arakawa MAHZOON HAMED Satoru Iwasaki Kazufumi Hosoda		4	2	2			
333021	M	Innovation Practice Seminar D			4					
333022	M	Humanware Innovation Activity D	Naoki Wakamiya Kazufumi Hosoda		2	1	1			
333023	M	Humanware Laboratory Rotation D	Fumihiko Ino Hiroshi Shimizu		2	1	1			
333024	M	Humanware PI Interdisciplinary Project Studies D	Hiroshi Shimizu Yusuke Ogura Ittetsu Taniguchi Shin-ichi Arakawa Kenji Yasunaga Nobuyuki Okahashi Yuichi Sudo MAHZOON HAMED Satoru Iwasaki Kazufumi Hosoda		4			2	2	
333025	M	Internship (Short Term) D	Naoki Wakamiya Kenji Yasunaga Satoru Iwasaki		2	3	3			
333026	M	Internship (Long Term) D	Naoki Wakamiya Kenji Yasunaga Satoru Iwasaki		4	6	6			
333027	G・M	Overseas Internship (Short Term) D	Naoki Wakamiya Satoru Iwasaki		2	3	3			
333028	G・M	Overseas Internship (Long Term) D	Naoki Wakamiya Satoru Iwasaki		4	6	6			

【Requirements for Completion】

Students must receive 4 credits or more, and pass a final evaluation of their doctoral thesis.

※ 1. In the case of taking Internship on Computer Science D, Academic Internship Abroad D(S), D(L), one unit will be accepted and included into the residency requirement.

※ 2. D1,D2 students can register Internship on Computer Science D, Academic Internship Abroad D(S), D(L) from "Fall and Winter Terms" through "Spring and Summer Terms".

3. "M" in the classification column represents Major subjects, "G" represents Advanced Global Literacy Educational subjects, and "G・M" represents subjects with both Advanced Liberal Arts Educational and Major subjects' characteristics.

4. Only Humanware Innovation Program students can register subjects from 333023 to 333028.

5. With regard to 333014、333015、333016、333017、333018、333019、333022、333023、333025、333026、333027、333028, those who have already acquired M version of those subjects in Master course can't register D version of those in Doctoral Course.

ex.) Those who have already acquired Humanware Fundamentals I M in the Master course can't register Humanware Fundamentals I D in the Doctoral course.