

# Doctor's Program Subject and Completion Requirements 2021

## Department of Information Networking

Department of Information Networking										
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	
333501	M	Architectonics of Information Network			2					
333505	M	Seminar on Information Networking D	Masayuki Murata Takashi Watanabe Morito Matsuoka Shin-ichi Arakawa Shunsuke Saruwatari Hirozumi Yamaguchi Yuki Koizumi Tomoki Yoshihisa		2	2				
333503	M	Networking Technology and Advanced Information Society	Toru Hasegawa Shuichi Yoshino Norihito Yasuda Yasue Kishino Yuki Koizumi		2		2			
333605	G・M	Advanced Integrated Sciences	Leibnitz Kenji Ferdinand Peper Cruz Jason Paul Miranda		2	2				
333706	M	Integrated Biological and Information Engineering	Hiroshi Shimizu Fumio Matsuda Yoshihiro Toya Nobuyuki Okahashi		2	2				
333504	M	Internship on Information Networking D	Masayuki Murata Takashi Watanabe Toru Hasegawa Morito Matsuoka Shin-ichi Arakawa Shunsuke Saruwatari Yuki Koizumi Hirozumi Yamaguchi Tomoki Yoshihisa Akira Uchiyama Takuya Fujihashi		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	MAHZOON HAMED Satoru Iwasaki Taisuke Izumi Hiroshi Shimizu Takahiro Hara		2	2				
333015	M	Humanware Fundamentals II D	Satoru Iwasaki Taisuke Izumi Yusuke Ogura Ittetsu Taniguchi Shin-ichi Arakawa Kenji Yasunaga Nobuyuki Okahashi Takahiro Hara		2		2			
333016	M	Humanware Innovation Creation D	Toshimitsu Masuzawa Takahiro Hara Shigeru Kondo Hiroshi Ishiguro		2		2			
333017	M	Humanware Seminar D	Nobuyuki Okahashi Ittetsu Taniguchi Fumihiko Ino MAHZOON HAMED Shin-ichi Arakawa Satoru Iwasaki Hiroshi Shimizu		2	1	1			
333018	M	Humanware Innovation Introduction D	Tatsuhiro Tsuchiya Naoki Wakamiya		2	1	1			
333019	M	Humanware Communication D	Yusuke Ogura Shin-ichi Arakawa Takahiro Hara		2	1	1			
333020	M	Humanware Interdisciplinary Project Studies D	Fumihiko Ino Hiroshi Shimizu		4	2	2			
333021	M	Innovation Practice Seminar D			4					
333022	M	Humanware Innovation Activity D	Naoki Wakamiya		2	1	1			
333023	M	Humanware Laboratory Rotation D			2					
333024	M	Humanware PI Interdisciplinary Project Studies D			4					
333025	M	Internship (Short Term) D	Kenji Yasunaga Naoki Wakamiya Satoru Iwasaki		2	3	3			
333026	M	Internship (Long Term) D	Kenji Yasunaga Naoki Wakamiya Satoru Iwasaki		4	6	6			

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				Core Subjects	Elective subject	1st.Grade		2nd.Grade		
						Spring and Summer Terms	Fall and Winter Terms	Spring and Summer Terms	Fall and Winter Terms	
333027	G・M	Overseas Internship (Short Term) D	Toru Fujiwara Satoru Iwasaki		2	3	3			
333028	G・M	Overseas Internship (Long Term) D	Toru Fujiwara 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.