

IPSE UG Students Enrolled in Fall 2010 through 2017

Summary Table of Changes in IPSE Group C Courses Offered Dept. of Mathematics, Dept. of Applied Mathematics, School of Fundamental Sci. & Eng. For Fall 2020 course registration periods

* You need to earn credits of Group C courses provided as "required", "elective required" or "elective" for your enrollment year. Please refer to column [A], or [B] here below according to your enrollment year. Also check the relevant pages of your enrollment year's Handbook.

[A]	[B]	Number of credits	Number of class hours per week (* a 90-minute long class (per week) is shown as 2 (hours) in the table below)								Current Course Availability by Your Enrollment Year		Note	
			First year		Second year		Third year		Fourth year		O: available X: not available *: conditionally available (see Note section)			
			Fall sem.	Spring sem.	Fall sem.	Spring sem.	Fall sem.	Spring sem.	Fall sem.	Spring sem.	For students enrolled in Fall 2010/ 2011	For students enrolled in Fall 2012/ 2013/ 2014/ 2015/ 2016/2017		
Research Project B	Research Project B	4							2			O (required)	O (required)	
Research Project C	Research Project C	4							2			O (required)	O (required)	
Introduction to Computer Science	-	2	2									*	X	* originally allocated to fall semester of 1st year, but from spring 2013, CHANGED TO spring semester of 1st year. * Another class available from fall 2014; allocated to 1st year. * For fall semester 2015, there is only one class available. * For students enrolled in Fall 2012, Fall 2013, Fall 2014, Fall 2015 & Fall 2016, this course replaced "Introduction to Computer Science (spring, 1st year)" classified as a Group B Required course from fall 2012.
Modeling	-	2		2								X	X	* course cancelled from spring 2014
Set and Measure Theory > Foundations of Analysis	Set and Measure Theory > Foundations of Analysis	2			2							O (elective required)	O (elective required)	* course name changed from fall 2013. * Those who have already earned the credit of Set and Measure Theory cannot take Foundations of Analysis.
Foundations of Algebra	Foundations of Algebra	2			2							O (elective required)	O (elective required)	
Foundations of Geometry	Foundations of Geometry	2			2	2						O (elective required)	O (elective required)	* CHANGED TO fall semester of 2nd year from 2020.
Numerical Analysis	Numerical Analysis	2				2						O (elective required)	O (elective required)	
-	Exercise for Fundamental Mathematics	4				4						O (elective required)	O (elective required)	* new course available from spring 2014; allocated to 2nd year.
Advanced Geometry	Advanced Geometry	2					2	2				O (elective required)	O (elective required)	* CHANGED TO spring semester of 3rd year from 2020.
Advanced Analysis	Advanced Analysis	2						2				O (elective required)	O (elective required)	* originally allocated to fall semester of 3rd year, but from spring 2017, CHANGED TO spring semester of 3rd year.
Probability and Statistics	Probability and Statistics	2						2				O (elective required)	O (elective required)	
Research Project A	Research Project A	2						2				O (elective required)	O (elective required)	

[A]	[B]	Number of credits	Number of class hours per week (* a 90-minute long class (per week) is shown as 2 (hours) in the table below)								Current Course Availability by Your Enrollment Year		Note	
			First year		Second year		Third year		Fourth year		O: available X: not available *: conditionally available (see Note section)			
			Fall sem.	Spring sem.	Fall sem.	Spring sem.	Fall sem.	Spring sem.	Fall sem.	Spring sem.	For students enrolled in Fall 2010/ 2011	For students enrolled in Fall 2012/ 2013/ 2014/ 2015/ 2016/2017		
Carriculum for Students Enrolled in Fall 2010/ 2011	Carriculum for Students Enrolled in Fall 2012/ 2013/ 2014/ 2015/ 2016/2017													
Advanced Algebra	Advanced Algebra	2						2				O (elective required)	O (elective required)	* originally allocated to fall semester of 3rd year, but from spring 2015, CHANGED TO spring semester of 3rd year.
Mathematics of Simulation	Mathematics of Simulation	2						2				O (elective required)	O (elective required)	* originally allocated to fall semester of 3rd year, but from spring 2014, CHANGED TO spring semester of 3rd year. * originally allocated to sprig semester of 3rd year, but from spring 2017, CHANGED TO fall semester of 3rd year.
Applied Algebra	Applied Algebra	2						2				O (elective required)	O (elective required)	* not available for spring 2017. * not available for spring 2019.
Applied Geometry	Applied Geometry	2						2				O (elective required)	O (elective required)	
Applied Analysis	Applied Analysis	2						2	2			O (elective required)	O (elective required)	* not available for spring 2017. * not available for spring 2018. * CHANGED TO fall semester of 3rd year rom 2020.
Number Theory	Number Theory	2							2			O (elective required)	O (elective required)	* Not available * available in spring 2015; allocated to 3rd year. * not available for spring 2016. * available for spring 2017. * not available for spring 2018. * not available for spring 2020.
Functional Analysis	Functional Analysis	2						2	2			O (elective required)	O (elective required)	* not available for spring 2016. * available for spring 2017. * originally allocated to sprig semester of 3rd year, but from spring 2017, CHANGED TO fall semester of 3rd year. * CHANGED TO spring semester of 3rd year rom 2020.
Stochastic Processes	Stochastic Processes	2							2			O (elective required)	O (elective required)	* not available for spring 2016. * course cancelled from spring 2017
Research Project D	Research Project D	2								2		O (elective required)	O (elective required)	