

UCSB Dept. of Mathematics EAP Course Equivalents 2018
Australia, U. of Melbourne

	B	C	D	E	F	G	H
1	UCSB Course Name	EAP course #	Host Course #	Host Course Name	UC Qtr. Units	Host Dept.	Notes
2	Graph and Network Theory	115	MAST30011	Graph Theory	6	Mathematics and Statistics	
3	Introduction to Real Analysis	127	MAST20026	Real Analysis	6	Mathematics and Statistics	
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5	U. of Melbourne Course Catalog						
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This is a partial list of classes offered. Check school schedule for complete offerings.
You must still petition the math dept. for substitution approval when you return.

UCSB Dept. of Mathematics EAP Course Equivalents 2018
Australia, U. of Queensland

	A	B	C	D	E	F	G	H
1	UCSB course #	UCSB Course Name	EAP course #	Host Course #	Host Course Name	UC Qtr. Units	Host Dept.	Notes
2	PSTAT1 20A/B	Probability & Stats	112	STAT2003	Probability & Stats	6	Statistics	
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5		U. of Queensland Course Catalog						
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UCSB Dept. of Mathematics EAP Course Equivalents 2018
Germany, Technical U.

	A	B	C	D	E	F	G	H
1	UCSB course #	UCSB Course Name	EAP course #	Host Course #	Host Course Name	UC Qtr. Units	Host Dept.	Notes
2	math 145 & upper division math elective	Introduction to Topology	101	3236 L 127	Algebraic topology	8.5	math	
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4	NOTE: COURSES TAUGHT IN GERMAN							
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6		Technical course Catalog						
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UCSB Dept. of Mathematics EAP Course Equivalents 2018
Hong Kong, CUHK

	A	B	C	D	E	F	G	H
1	UCSB course	UCSB Course Name	EAP course #	Host Course #	Host Course Name	Host Dept.	UC qtr. Units	Notes
2	104AB	Numerical Methods		3230/3240	Numerical Analysis/ Numerical Methods for Differential Equations	Math	4.5/4.5	
3	108AB	Intro to Linear Algebra		2040	Linear Algebra II	Math	4.5	Must make up for units if used for both courses
4	111AB	Abstract Algebra		3030/3040	Algebra I/Algebra II	Math	4.5/4.5	
5	115A	Introduction to Number Theory		3080	Number Theory	Math	4.5	
6	118A	Introduction to Real Analysis		2050	Mathematical Analysis I	Math	4.5	
7	118B	Real Analysis		2060	Mathematical Analysis II	Math	4.5	
8	119AB	ODE/ Chaotic Dynamics and Bifurcation Theory	132	3270	ODE	Math	4.5	Must make up for units if used for both courses
9	122AB	Introduction to Theory of Complex Variables		2230	Complex Variables with Applications	Math	4.5	Must make up for units if used for both courses
10	124A	PDE	122	4220	PDE	Math	4.5	
11	124B	Fourier Series and Numerical Methods		3093	Fourier Analysis	Math	4.5	
12	137A	Graph and Network Theory		3260	Graph Theory	Math	4.5	
13	145	Introduction to Topology		3070	Topology	Math	4.5	
14	147A	Introduction to Differential Geometry		4035	Differential Geometry	Math	4.5	
15								
16		CUHK Course Catalog						

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UCSB Dept. of Mathematics EAP Course Equivalents 2018
Hong Kong, U. of HK

	A	B	C	D	E	F	G	H
1	UCSB course	UCSB Course Name	EAP course #	Host Course #	Host Course Name	Host Dept.	UC qtr. Units	Notes
2	8	Transition to Higher Mathematics		2012	Fundamental Concepts of Mathematics	Math	5	
3	104A	Introduction to Numerical Analysis	119	3601	Numerical Analysis	Math	5	
4	108A	Introduction to Linear Algebra	21	2101	Linear Algebra I	Math	5	Lower Division Course
5	108B	Introduction to Linear Algebra	22	2102	Linear Algebra II	Math	5	Lower Division Course
6	111ABC	Abstract Algebra	3301-133A	3301/ 4302	Algebra I and II	Math	5 each	Must take both courses for full sequence credit
7	115A	Introduction to Number Theory	152	3304	Introduction to Number Theory	Math	5	
8	117	Methods of Analysis	106	2241	Introduction to Mathematical Analysis	Math	5	
9	117/ 118AB	Methods of Analysis/ Introduction to Real Analysis	134A	3401	Analysis I	Math	5	Must make up for units if used for all three courses
10	118C	Introduction to Real Analysis		4402	Analysis II	Math	5	
11	UD Elective			3911	Game Theory and Strategy	Math	5	
12	PSTAT 120A		31	2601	Probability and Statistics I	Stats	5	Lower Division Course
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15		University of Hong Kong Course Catalog						

This is a partial list of classes offered. Check school schedule for complete offerings.
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UCSB Dept. of Mathematics EAP Course Equivalents 2018
Ireland, Trinity College

	A	B	C	D	E	F	G	H
1	UCSB course	UCSB Course Name	EAP course #	Host Course #	Host Course Name	Host Dept.	UC qtr. Units	Notes
2	111A	Abstract Algebra		1213	Group Theory	Math	4	
3	111B	Abstract Algebra		2314	Fields, Rings and Modules	Math	4	
4	115A	Introduction to Number Theory	116	2316	Number Theory	Math	4	
5	118A	Introduction to Real Analysis		2321	Analysis Real Variables	Math	4	
6	118B	Introduction to Real Analysis		2223	Metric Spaces	Math	4	
7	118C	Introduction to Real Analysis	104	2322	Calculus Manifolds	Math	4	
8	122A	Introduction to Theory of Complex Variables		2328	Complex Analysis	Math	4	
9	UD Elective		145	2224	Lebesgue Integral	Math	4	
10								
11		Trinity College Dublin Course Catalog						
12								

This is a partial list of classes offered. Check school schedule for complete offerings.
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UCSB Dept. of Mathematics EAP Course Equivalents 2018
Ireland, U. College Dublin

	A	B	C	D	E	F	G	H
1	UCSB course	UCSB Course Name	EAP course #	Host Course #	Host Course Name	Host Dept.	UC qtr. Units	Notes
2	104AB	Numerical Analysis		20030	Computational Science	ACM	4	Must make up for units if used for both courses
3	108A	Introduction to Linear Algebra	110	20300	Linear Algebra	Math	4	
4	111AB	Abstract Algebra		20310	Groups, Rings, and Fields	Math	4	make up for units if used for
5	111C	Abstract Algebra		40080	Galois Theory	Math	4	
6	117/118A	Methods of Analysis/ Introduction to Real Analysis		10320	Mathematical Analysis	Math	4	Must make up for units if used for both courses
7	118B	Real Analysis		30090	Metric Spaces	Math	4	
8	118C	Real Analysis		40430	Measure Theory and Integration	Math	4	
9	122AB	Introduction to Theory of Complex Variables		30040	Functions of One Complex Variable	Math	4	Must make up for units if used for both courses
10	UD Elec			30080	Set Theory and Foundations of Mathematics	Math	4	
11		University College Dublin online catalog						

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UCSB Dept. of Mathematics EAP Course Equivalents 2018
Korea, Yonsei U.

	A	B	C	D	E	F	G	H
1	UCSB course	UCSB Course Name	EAP course #	Host Course #	Host Course Name	Host Dept.	UC qtr. Units	Notes
2	104A	Introduction to Numerical Analysis		3114	Numerical Analysis	Math	4.5	
3	108A	Introduction to Linear Algebra	40	2102	Linear Algebra I	Math	4.5	Lower Division course
4	108AB	Introduction to Linear Algebra	111	3120	Linear Algebra II	Math	4.5	
5	111A	Abstract Algebra	103A	3109	Modern Algebra I	Math	4.5	
6	118A	Introduction to Real Analysis		3104	Analysis	Math	4.5	
7	124B	Fourier Series and Numerical Methods		3984	Fourier Analysis and its Applications	Math	4.5	
8	132A	Introduction to Operations Research		2122	Management Science	BIZ	4.5	
9	137A	Graph and Network Theory	107	2106	Discrete Mathematics	Math	4.5	
10	147A	Introduction to Differential Geometry		3103	Introduction to Differential Geometry	Math	4.5	
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12								
13		Yonsei University Course Catalog						

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UCSB Dept. of Mathematics EAP Course Equivalents 2018
New Zealand, U. of Auckland

	A	B	C	D	E	F	G	H
1	UCSB course	UCSB Course Name	EAP course #	Host Course #	Host Course Name	Host Dept.	UC qtr. Units	Notes
2	104AB	Numerical Analysis	120	270	Numerical Computation	Math	6	
3	116	Combinatorial Analysis		326	Combinatorial Computing	Math	6	
4	118ABC	Introduction to Real Analysis		332/333	Real/Higher Dimension Analysis	Math	6 and 6	Must take both for sequence credit
5	122A	Introduction to Theory of Complex Variables	134	340	Real and Complex Calculus	Math	6	
6	124A	PDEs	131	361	PDEs	Math	6	
7	124B	Fourier Series and Numerical Methods		362	Methods in Applied Mathematics	Math	6	
8	UD Elec			315	Mathematical Logic	Math	6	
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11		U. of Auckland Course Catalog						
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This is a partial list of classes offered. Check school schedule for complete offerings.
You must still petition the math dept. for substitution approval when you return.

UCSB Dept. of Mathematics EAP Course Equivalents 2018
Scotland, U of Edinburgh

	A	B	C	D	E	F	G	H
1	UCSB course	UCSB Course Name	EAP course #	Host Course #	Host Course Name	Host Dept.	UC qtr. Units	Notes
2	8	Transition to Higher Mathematics		308059	Proofs and Problem Solving	Math	8	
3	104B	Numerical Analysis	130	10059	Numerical Linear Algebra and Applications	Math	4	
4	104C	Advanced Topics in Numerical Analysis	132	10060	Numerical ODEs and Applications	Math	4	
5	108A	Introduction to Linear Algebra		8057	Introduction to Linear Algebra	Math	8	
6	108B	Introduction to Linear Algebra		10069	Honours Algebra	Math	8	
7	111A/117	Abstract Algebra/ Methods of Analysis	124	8064	Fundamentals of Pure Mathematics	Math	8	
8	111ABC	Abstract Algebra		10079/ 10080	Group Theory and Galois Theory	Math	4 and 4	Must take both courses for full sequence credit
9	115A	Introduction to Number Theory		10071	Introduction to Number Theory	Math	4	
10	116	Combinatorial Analysis		10072	Combinatorials and Graph Theory	Math	4	
11	118AB	Introduction to Real Analysis/ Real Analysis		10068	Honours Analysis	Math	8	
12	119AB/ 124A	ODE and Chaotic Dynamics and Bifurcation Theory/ PDE	137	10066	Honours Differential Equations	Math	8	
13	122AB	Introduction to Theory of Complex Variables		10067	Honours Complex Variables	Math	8	
14	132A	Introduction to Operations Research		10073	Linear Programming, Modeling, and Solution	Math	4	
15	147AB	Introduction to Differential Geometry	110	10074	Geometry	Math	4	
16	201B (UD Elective)	Real Analysis		10082	Linear Analysis	Math	4	
17	201C (UD Elective)	Real Analysis		10081	Linear Analysis	Math	8	Full Year Course
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19								
20		University of Edinburgh math courses						

This is a partial list of classes offered. Check school schedule for complete offerings.
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UCSB Dept. of Mathematics EAP Course Equivalents 2018
Singapore, NUS

	A	B	C	D	E	F	G	H
1	UCSB course	UCSB Course Name	EAP course #	Host Course #	Host Course Name	Host Dept.	UC qtr. Units	Notes
2	104ABC	Numerical Analysis	2213-109	2213/3227	Numerical Analysis I and II	Math	6 each	Must take both courses for full sequence credit
3	108AB	Introduction to Linear Algebra	112	2101	Linear Algebra II	Math	6	
4	111ABC	Abstract Algebra	2202-132A and 3201-132	2202 / 3201	Algebra I/ Algebra II	Math	6 each	Must take both courses for full sequence credit
5	115A	Introduction to Number Theory	118	3265	Number Theory	Math	6	
6	118ABC	Introduction to Real Analysis	2108-114A	2108/ 3108	Mathematical Analysis	Math	6 each	Must take both courses for full sequence credit
7	122A	Introduction to Theory of Complex Variables	122A	3111	Complex Analysis I	Math	6	
8	122B	Introduction to Theory of Complex Variables		4247	Complex Analysis II	Math	6	
9	124A	PDE		4221	PDE	Math	6	
10	124B	Fourier Series and Numerical Methods		3266	Fourier Analysis	Math	6	
11	147A	Introduction to Differential Geometry		4271	Three Dimensional Differential Geometry	Math	6	
12								
13		National University of Singapore Course Catalog						

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UCSB Dept. of Mathematics EAP Course Equivalents 2018
Spain, Granada

	A	B	C	D	E	F	G	H
1	UCSB course	UCSB Course Name	EAP course #	Host Course #	Host Course Name	Host Dept.	UC qtr. Units	Notes
2	145	Topology	103	207 23	Topologia I	Geometría y Topología	5	
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6	Note: Courses are taught in Spanish.							

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UCSB Dept. of Mathematics EAP Course Equivalents 2018
 Sweden, Lund Univ.

	A	B	C	D	E	F	G	H
1	UCSB course	UCSB Course Name	EAP course #	Host Course #	Host Course Name	Host Dept.	UC qtr. Units	Notes
2	104ABC	Numerical Analysis	Refer to EAP course Catalof	Various FMN, FMNN, and NUMA	Varies	FMN, FMNN, and NUMA	6 (per course)	Must speak with faculty advisor to approve articulation
3	111AB	Abstract Algebra	105	11	Algebraic Structures	MATM	6	
4	115AB	Introduction to Number Theory		15	Number Theory	MATM	6	
5	116	Combinatorial Analysis	136	13	Discrete Mathematics	MATB	6	
6	117/ 118ABC	Methods of Analysis/ Introduction to Real Analysis		16/ 19	Linear Analysis/ Integration Theory	MATB/ MATM	6 and 6	Must take both courses for full sequence credit
7	119AB	ODEs/ Chaotic Dynamics and Bifurcation Theory		27	ODEs	MATM	6	
8	122AB	Introduction to Theory of Complex Variables	156	12	Analytic Functions	MATM	6	
9	124AB	PDEs/ Fourier Series and Numerical Methods	126	18	Fourier Analysis	MATM	6	
10	145	Introduction to Topology	145	16	Topology	MATM	6	
11	147A	Introduction to Differential Geometry	188	13	Differential Geometry	MATM	6	
12								
13		Lund course catalog						
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 You must still petition the math dept. for substitution approval when you return.

UCSB Dept. of Mathematics EAP Course Equivalents 2018
 UK, Queen Mary U. of London

	A	B	C	D	E	F	G	H
1	UCSB course	UCSB Course Name	EAP course #	Host Course #	Host Course Name	Host Dept.	UC qtr. Units	Notes
2	101B	Mathematical Systems		4104	Introduction to Algebra	Math	6	
3	102A	Modern Euclidean and Non-Euclidean Geometry		4103 OR 4203	Geometry I	Math	6 for either	
4	102B	Modern Euclidean and Non-Euclidean Geometry		5109	Geometry II	Math	6	
5	104A	Introduction to Numerical Analysis		5110	Introduction to Numerical Computing	Math	6	
6	108A	Introduction to Linear Algebra		5112	Linear Algebra I	Math	6	
7	108B	Introduction to Linear Algebra		6140	Linear Algebra II	Math	6	
8	111A	Abstract Algebra		5100	Algebraic Structures I	Math	6	
9	111B	Abstract Algebra		6104	Algebraic Structures II	Math	6	
10	111C	Abstract Algebra		7450	Further Topics in Algebra	Math	6	
11	115A	Introduction to Number Theory		6128	Number Theory	Math	6	
12	116	Combinatorial Analysis		6109	Combinatorics	Math	6	
13	117	Methods of Analysis		5104	Convergence and Continuity	Math	6	
14	122AB	Introduction to Theory of Complex Variables		5103	Complex Variables	Math	6	Must make up for units if used for both
15	124A	PDE		6151	PDE	Math	6	
16	137A	Graph and Network Theory		7500	Graphs and Networks	Math	6	
17	145	Introduction to Topology		6127	Metric Spaces and Topology	Math	6	
18	220A (UD Elective)	Modern Algebra		7140	Group Theory	Math	6	
19	UD Elective			5212	Applied Linear Algebra	Math	6	
20	UD Elective			6107	Chaos and Fractals	Math	6	
21	UD Elective			6142	Complex Networks	Math	6	
22	UD Elective			7430	Complex Systems	Math	6	
23	UD Elective			6115	Cryptography	Math	6	
24	UD Elective			7440	Dynamical Systems	Math	6	
25	UD Elective			6124	Mathematical Problem Solving	Math	6	
26	UD Elective			5117	Mathematical Writing	Math	6	
27								
28	University of London Queen Mary Course Catalog							

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