

UCSB Dept. of Mathematics EAP Course Equivalents 2017  
Australia, U. of Melbourne

	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 137	Graph and Network Theory	115	<a href="#">MAST30011</a>	Graph Theory	6	Mathematics and Statistics	
3	math 118A	Introduction to Real Analysis	127	<a href="#">MAST20026</a>	Real Analysis	6	Mathematics and Statistics	
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10		<a href="#">U. of Melbourne Course Catalog</a>						
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UCSB Dept. of Mathematics EAP Course Equivalents 2017  
Australia, U. of Queensland

	A	B	C	D	E	F	G	H
1	<b>UCSB course #</b>	<b>UCSB Course Name</b>	<b>EAP course #</b>	<b>Host Course #</b>	<b>Host Course Name</b>	<b>UC Qtr. Units</b>	<b>Host Dept.</b>	<b>Notes</b>
2	<b>PSTAT1 20A/B</b>	<b>Probability &amp; Stats</b>	<b>112</b>	<b>STAT2003</b>	<b>Probability &amp; Stats</b>	<b>6</b>	<b>Statistics</b>	
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11		<a href="#">Course Catalog</a>						
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UCSB Dept. of Mathematics EAP Course Equivalents 2017  
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	<a href="#">math</a>	
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4	<b>NOTE: COURSES TAUGHT IN GERMAN</b>							
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6		<a href="#">Technical course Catalog</a>						
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UCSB Dept. of Mathematics EAP Course Equivalents 2017  
 Hong Kong, CUHK

	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	104AB	Numerical analysis	123 & ?	MATH 3230 and MATH 3240	Numerical Analysis and Numerical Methods for Differential Equations	4.5 & ?	mathematics	
3	108AB	Linear Algebra		MATH 2040	Linear Algebra II		mathematics	
4	111ABC	Abstract Algebra		MATH 3030 and MATH 3040	Algebra I and II		mathematics	
5	115A	Number Theory	152	MATH 3080	Number theory	5	mathematics	
6	118A	Real Analysis		MATH 2050	Mathematical Analysis I		mathematics	
7	118B	Real Analysis		MATH 2060	Mathematical Analysis II		mathematics	
8	119AB	Ordinary Differential Equations and Chaotic Dynamics and Bifurcation Theory	132	MATH 3270	Partial Differential Equations	4.5	mathematics	
9	122AB	Theory of Complex Variables		MATH 2230	Complex Variables with Applications		mathematics	
10	124A	Partial Differential Equations	122	MATH 4220	Partial Differential Equations	4.5	mathematics	
11	124B	Fourier Series and Numerical Methods		MATH 3093	Fourier Analysis		mathematics	
12	137A	Graph Theory		MATH 3260	Graph theory		mathematics	
13	145	Topology		MATH 3070	Topology		mathematics	
14	147AB	Differential Geometry		MATH 4033	Differential Geometry		mathematics	
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[CUHK Course Catalog](#)

UCSB Dept. of Mathematics EAP Course Equivalents 2017  
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	UC Qtr. Units	Host Dept.	Notes
2	Math 111A	Algebra	133A	math3301	ALGEBRA I	5	math	
3	Math 115A	Introduction to Number Theory	152	MATH3304	Intro Number Theory	5	math	
4	Math 118A	Introduction to Real Analysis	134A	MATH3401	Analysis	5	math	
5	Math Upper Division Elective		109	MATH3911	GAME THEORY AND STRATEGY	5	math	
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8		<a href="#">HKU Course Catalog</a>						
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UCSB Dept. of Mathematics EAP Course Equivalents 2017  
Ireland, Trinity College

	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 111A	Introduction to Abstract Algebra	105	<a href="#">MA1213</a>	GROUP THEORY	4	mathematics	
3	Math 111B	Abstract Algebra	102	<a href="#">MA2314</a>	Fields Rings Module	4	mathematics	
4	Math 115A	Introduction to Number Theory	116	<a href="#">MA2316</a>	NUMBER THEORY	4	mathematics	
5	Math 118A	Introduction to Real Analysis	103	<a href="#">MA2321</a>	Analysis Real Variables	4	mathematics	
6	Math 118B	Introduction to Real Analysis	147	<a href="#">MA2223</a>	Metric Spaces	4	mathematics	
7	Math 118C	Introduction to Real Analysis	104	<a href="#">MA2322</a>	CALCULUS MANIFOLDS	4	mathematics	
8	Math 122A	Introduction to Theory of Complex Variables	107	<a href="#">MA2328</a>	Complex Analysis	4	mathematics	
9		Math Upper Division Elective	145	<a href="#">MA2224</a>	Lebesgue Integral	4	mathematics	
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UCSB Dept. of Mathematics EAP Course Equivalents 2017  
Ireland, U. College Dublin

	A	B	C	D	E	F	G	H
1	<b>UCSB course #</b>	<b>UCSB Course Name</b>	<b>EAP course #</b>	<b>Host Course #</b>	<b>Host Course Name</b>	<b>UC Qtr. Units</b>	<b>Host Dept.</b>	<b>Notes</b>
2	104AB	Numerical Analysis		ACM20030	Computational Science		Mathematical Sciences	
3	108A	Linear Algebra	110	MATH20300	Linear Algebra	4	Mathematical Sciences	
4	109AB	Mathematical Logic		MATH30080	Set Theory and Foundations of Mathematics		Mathematical Sciences	
5	111AB	Abstract Algebra		MATH20310	Groups, Rings and Fields		Mathematical Sciences	
6	111C	Abstract Algebra		MATH40080	Galois Theory		Mathematical Sciences	
7	117	Methods of Analysis		MATH10320	Mathematical Analysis		Mathematical Sciences	students taking this course would get credit for 118A and 117 would be waived.
8	118A	Real Analysis		MATH10320	Mathematical Analysis		Mathematical Sciences	
9	118B	Real Analysis		MATH30090	Metric Spaces		Mathematical Sciences	
10	118C	Real Analysis		MATH40430	Measure Theory & Integration		Mathematical Sciences	
11	122AB	Theory of Complex Variables		MATH30040	Functions of One Complex Variable		Mathematical Sciences	

UCSB Dept. of Mathematics EAP Course Equivalents 2017  
New Zealand, 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		MATHS 270	Numerical Computation	mathematics		2 semesters
3	109AB	Mathematical Logic		MATHS315	Mathematical Logic	mathematics		2 semesters
4	116	Combinatorial Analysis		MATHS326	Combinatorial Computing	mathematics		
5	118ABC	Real Analysis		MATHS322 and 323	Real Analysis and Analysis in Higher Dimensions	mathematics		
6	124A	Partial Differential Equations	131	MATHS361	Partial Differential Equations	mathematics	6	
7	124B	Fourier Series and Numerical Methods	136	MATHS362	Methods in Applied Mathematics	mathematics	6	
8	122A or 147A?		134	MATHS 340	Real and Complex Calculus	mathematics	6	
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11		<a href="#">Course Catalog</a>						
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UCSB Dept. of Mathematics EAP Course Equivalents 2017  
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	109 and ?	MA2213 and MA3227	Numerical Analysis I and II	mathematics	6 and 6		
3	108AB	Linear Algebra	112	MA2101	Linear Algebra II	mathematics	6		
4	111ABC	Abstract Algebra	132	MA2202 and MA3201	Algebra I and II	mathematics	6 and 6		
5	115A	Number Theory	118	MA3265	Number Theory	mathematics	6		
6	116	Combinatorial Analysis	110A	MA2214	Combinatorial Analysis	mathematics	6		
7	118ABC	Real Analysis	114	MA2108 and MA3110	MATHEMATICAL ANALYSIS I	mathematics			
8	122A	Complex Variables	121	MA3111	Complex Analysis I	mathematics	6		
9	122B	Complex Variables		MA4247	Complex Analysis II	mathematics			
10	124 A	Partial Differential Equations		MA4221	Partial Differential Equations	mathematics			
11	124B	Fourier Series and Numerical Methods		MA3266	Fourier Analysis	mathematics			
12	147A	Differential Geometry		MA3215	3 Dimensional Differential Geometry	mathematics			
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14		<a href="http://ww1.math.nus.edu.sg/">http://ww1.math.nus.edu.sg/</a>							
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16	There other courses here that we don't offer ourselves, but we would recommend and could be considered as electives.								
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UCSB Dept. of Mathematics EAP Course Equivalents 2017  
Spain, Granada

UCSB course	UCSB Course Name	EAP course #	Host Course #	Host Course Name	Host Dept.	UC qtr. Units	Notes
145	Topology	103	207 23	Topologia I	Geometría y Topología	5	

Note: Courses are taught in Spanish.

UCSB Dept. of Mathematics EAP Course Equivalents 2017  
Sweden, Lund Univ.

	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.	
2	104B	Numerical Analysis	104	FMNO 11	Numerical Linear Algebra	5	Engineering mathematics	
3	111AB	Abstract Algebra	105	MATM 11	Algebraic Structures	6	mathematics	
4	115AB	Number Theory	140	MATM 15	Number Theory	6	mathematics	
5	118ABC	Real Analysis	143 & ?	MATB 16 & MATM19	Linear Analysis and Integration Theory	6 and ?	mathematics	Only recommended for very strong students. UCSB math 117 would be waived.
6	119AB	Ordinary Differential Equations and Chaotic Dynamics and Bifurcation Theory		MATM 27	Ordinary Differential Equations II		mathematics	
7	122AB	Complex Variables	156	MATM 12	Analytic Functions	12	mathematics	
8	124AB	Partial Differential Equations and Fourier Series and Numerical Methods	126	MATM 18	Fourier Analysis	6	mathematics	Note, this course contains more Fourier analysis and less PDE than UCSB's math 124AB.
9	145	Topology	145	MATM 16	Topology	6	mathematics	
10	147AB	Differential Geometry	188	MATM 13	Differential Geometry	6	mathematics	
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12		<a href="#">Lund course catalog</a>						
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