

Course Overviews DP, UWC Thailand 2019-2021 (Mathematics Applications and Interpretations)

All units taught in grades 11 and 12 are continuously being developed and improved to best meet the needs of the students at UWCT. Therefore, the following overview is only a reflection of current plans for the course. Some changes to these course overviews may occur as a result of planning done throughout the academic year.

Grade	Time Frame	Unit number and title	Approaches To learning skills taught / learnt / developed in this unit	Content (topics / knowledge/ subject specific skills)	Connections to TOK	Summative assessment
SL/HL	14 hours	Sequences and Series		1.1-1.7		
HL	1 hour	Sequences and Series AHL		1.11		
HL	5 hours	Complex Numbers		1.12-1.13		
HL	12 hours	Graph Theory		1.14-1.15 and 3.14-3.16		
SL/HL	14 hours	Statistical tests		4.1-4.4 and 4.10-4.11		
HL	2 hours	Statistical tests AHL		4.12		
SL/HL	18 hours	Geometry		3.1-3.6		
HL	2 hours	Geometry AHL		3.7		
HL	6 hours	Transformations and vectors		3.9 - 3.12 (Omitted motion and variable velocity)		
SL/HL	15 hours	Functions		1.8 and 2.1-2.4		
HL	10 hours	Functions AHL		1.9, 2.7-2.8 and 3.8		
SL/HL	15 hours	Differentiation and integration		5.1-5.5 and 5.8		
HL	10 hours	Differentiation and Integration AHL		5.9-5.12		
SL/HL	21 hours	Modelling		2.5-2.6 and 5.6- 5.7		
HL	14 hours	Modelling AHL		2.9-2.10, 3.12 (motion and variable velocity) 5.13-5.18		

SL/HL	22 hours	Probability and Distributions		4.5-4.9		
HL	14 hours	Probability and Distributions AHL		14.13-14.19		