

**SA COUNCIL FOR PROFESSIONAL AND TECHNICAL SURVEYORS**

**PROPOSED MODEL FOR MINIMUM QUALIFICATION REQUIREMENTS FOR PROFESSIONAL REGISTRATION**

**To be used in conjunction with subject area content specifications**

**One lecture is considered to be 45 – 60 minutes in length**

**Subject area teaching may be included in more than one course**

		PLS		PES		PS(PH)		PGP		PMS	
	<b>SUBJECT AREA</b>	Lect.	%	Lect.	%	Lect.	%	Lect.	%	Lect.	%
		PLS		PES		PPS		PGP		PMS	
		Lect.	%	Lect.	%	Lect.	%	Lect.	%	Lect.	%
	<b>Common Subject Areas</b>										
1	Mathematics and Applied Mathematics	175	14	175	14	175	14	100	8	175	14
2	Physics	75	6	75	6	75	6	25	2	75	6
3	Basic Surveying and Engineering Surveying	150	12	150	12	50	4		0	150	12
4	Information Technology	50	4	50	4	50	4	75	6	50	4
5	Geo-spatial Information Science	50	4	25	2	50	4	175	15	25	2
6	Photogrammetry and Remote Sensing	50	4	50	4	125	10	75	6	25	2
7	Coordinate Systems and Map Projections	50	4	50	4	50	4	50	4	50	4
8	Adjustments, Error Theory and Statistics	75	6	100	8	75	6		0	75	6
9	Earth and Environmental Science	50	4	50	4	50	4		0	50	4
10	Business and Project Management	25	2	25	2	25	2	25	2	50	4
11	Professional Practice and Ethics	25	2	25	2	25	2	25	2	25	2
12	Category Specific Research Project	50	4	50	4	50	4	75	6	50	4
	<b>Subtotal Common Subject Areas</b>	<b>825</b>	<b>66</b>	<b>825</b>	<b>66</b>	<b>800</b>	<b>64</b>	<b>625</b>	<b>52</b>	<b>800</b>	<b>64</b>

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	<b>SUBJECT AREA</b>	Lect.	%	Lect.	%	Lect.	%	Lect.	%	Lect.	%
		PLS		PES		PPS		PGP		PMS	
		Lect.	%	Lect.	%	Lect.	%	Lect.	%	Lect.	%
		<a href="#">continued from page 1</a>									
	<b>Category specific Subject Areas</b>										
13	Cadastral Studies and Land Tenure	120	10							25	2
14	Geodesy and Satellite Surveying	50	4	50	4	25	2				
15	Land Management and Planning	75	6			25	2				
16	Precise Engineering Surveying			50	4					75	6
17	3D Modelling /Cartography/visualisation	25	2	50	4	50	4	75	6	50	4
18	Mineral Management									50	4
19	Mineral Valuation/evaluation/statistics									150	12
20	Mining Geology									50	4
21	Rock Mechanics									50	4
22	Data Aquisition (From Primary and Secondary Sources inc Surveying, GPS etc.							65	5		
23	Geographic Science							50	4		
24	Selected Core Themesand electives							210	18		
	<b>Subtotal not-common core</b>	270	22	150	12	100	8	400	33	450	36
	<b>Further time for electives</b>	155	12	275	22	350	28	175	15	0	0
	<b>Total</b>	1250	100	1250	100	1250	100	1200	100	1250	100