

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	
	SUBJECT AREA	Lect.	%	Lect.	%	Lect.	%	Lect.	%	Lect.	%
		PLS		PES		PPS		PGP		PMS	
		Lect.	%	Lect.	%	Lect.	%	Lect.	%	Lect.	%
	Common Subject Areas										
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
	Subtotal Common Subject Areas	825	66	825	66	800	64	625	52	800	64

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		PLS		PES		PPS		PGP		PMS	
		Lect.	%	Lect.	%	Lect.	%	Lect.	%	Lect.	%
		continued from page 1									
	Category specific Subject Areas										
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		
	Subtotal not-common core	270	22	150	12	100	8	400	33	450	36
	Further time for electives	155	12	275	22	350	28	175	15	0	0
	Total	1250	100	1250	100	1250	100	1200	100	1250	100