

First Stream

Level 1 Courses												
	Name of Module	Module Code	Method of Presentation	NQF Level	Credits	Total Credits	Starting Date	Contact Sessions	Examination	End of module	Midrand	Durban
1	Introduction to Information Technology	IIT5	Online	5	10	10	25-Jan		26-Feb	05-Mar	DIP21-00T	
2	Introduction to Human, Physical and Environmental Geography	GEO5T	Online	5	7	12	08-Feb		29-Mar	29-Mar	DIP21 - 01T	
3	Practical Geography	GEO5P	Practical Session	5	5		10-Mar	10-11 Mar	29-Mar	29-Mar	DIP21 - 01M	DIP21 - 01D
4	Map Use and Evaluation	MUE5T	Online	5	5	10	15-Mar		13-Apr	16-Apr	DIP21 - 02T	
5	Practical Map Work	MUE5P	Practical Session	5	5		07-Apr	7-8 Apr	13-Apr	13-Apr	DIP21 - 02M	DIP21 - 02D
6	Basic Statistics for GISc	STA5	Mixed	5	12	12	28-Apr	12-14 May & 21 Jun	24-Jun	02-Jul	DIP21 - 03M	
7	Basic Statistics for GISc	STA5	Mixed	5	12	12	28-Apr	19-21 May & 24 Jun	28-Jun	02-Jul	DIP21 - 03D	
8	Applied Mathematics for GISc	MAT5	Mixed	5	12	12	28-Jun	7-9 Jul & 23 Aug	26-Aug	03-Sep	DIP21 - 04M	
9	Applied Mathematics for GISc	MAT5	Mixed	5	12	12	28-Jun	14-16 Jul & 26 Aug	30-Aug	03-Sep	DIP21 - 04D	
10	Physical Science for GISc	PHY5	Mixed	5	12	12	23-Aug	1-3 Sep & 18 Oct	22-Oct	29-Oct	DIP21 - 05M	
11	Physical Science for GISc	PHY5	Mixed	5	12	12	23-Aug	08-10 Sep & 21 Oct	25-Oct	29-Oct	DIP21 - 05D	
12	Introduction to Geo-information Science	GI5S	Online	5	8	12	25-Oct		06-Dec	10-Dec	DIP21 - 06T	
13	GIS Basics	GI5SP	Practical Session	5	4		29-Nov	29 Nov-02 Dec	06-Dec	06-Dec	DIP21 - 06M	DIP21 - 06D
Level 2 Courses												
	Name of Module	Module Code	Method of Presentation	NQF Level	Credits	Total Credits	Starting Date	Contact Sessions	Examination	End of module	Midrand	Durban
1	Spatial Data Models	SDM6	Online	6	10	12	25-Jan		02-Mar	05-Mar	DIP21 - 07T	
2	GIS Data Structures for Data Acquisition	SDM6P	Practical Session	6	2		25-Feb	25-Feb	02-Mar	02-Mar	DIP21 - 07M	DIP21 - 07D
3	Principles of Map Design	PMD6	Online	6	12	14	15-Feb		12-Apr	12-Apr	DIP21 - 08T	
4	Designing Maps	PMD6P	Practical Session	6	2		29-Mar	29-30 Mar	12-Apr	12-Apr	DIP21 - 08M	DIP21 - 08D
5	OR Advanced Analysis and Map Design	AMD6P	Practical Session	6	4	4	31-May	31 May-03 Jun	21-Jun	21-Jun	DIP21 - 09M	DIP21 - 09D
6	Projections and Coordinate Systems	PCS6	Online	6	9	10	19-Apr		18-May	21-May	DIP21 - 10T	
7	Map Projections	PCS6P	Practical Session	6	1		13-May	13-May	18-May	18-May	DIP21 - 10M	DIP21 - 10D
8	GPS and Land Surveying	GPS6	Online	6	11	14	31-May		12-Jul	16-Jul	DIP21 - 11T	
9	Basic GPS Knowledge	GPS6P	Practical Session	6	3		07-Jul	07-08 Jul	12-Jul	12-Jul	DIP21 - 11M	
9	Basic GPS Knowledge	GPS6P	Practical Session	6	3	12	30-Jun	30 Jun -01 Jul	12-Jul	12-Jul	DIP21 - 11D	
10	Data Quality and Standards	DQS6	Online	6	8		19-Jul		25-Aug	27-Aug	DIP21 - 12T	
11	Data Editing and Standards	DQS6P	Practical Session	6	4	4	16-Aug	16-19 Aug	25-Aug	25-Aug	DIP21 - 12M	DIP21 - 12D
12	Data Manipulation	DTM6	Online	6	8	10	23-Aug		27-Sep	06-Oct	DIP21 - 13T	
13	Spatial and Attribute Data Transfer Methods.	DTM6P	Practical Session	6	2		20-Sep	20-21 Sep	27-Sep	27-Sep	DIP21 - 13M	DIP21 - 13D
14	Introduction to Database Management Systems	DBM6	Online	6	12	14	18-Oct		30-Nov	03-Dec	DIP21 - 14T	
15	Building a Spatial Database	DBM6P	Practical Session	6	2		23-Nov	23-25 Nov	30-Nov	30-Nov	DIP21 - 14M	DIP21 - 14D
Level 3 Courses												
	Name of Module	Module Code	Method of Presentation	NQF Level	Credits	Total Credits	Starting Date	Contact Sessions	Examination	End of module	Midrand	Durban
1	Analytical Methods	ANM6	Online	6	12	14	01-Feb		30-Mar	30-Mar	DIP21 - 15T	
2	Topics in Advanced Spatial Analysis	ANM6P	Practical Session	6	2		17-Mar	17-18 Mar	30-Mar	30-Mar	DIP21 - 15M	DIP21 - 15D
3	OR Advanced Analysis and Map Design	AMD6P	Practical Session	6	4	4	31-May	31 May-03 Jun	21-Jun	21-Jun	DIP21 - 09M	DIP21 - 09D
4	Terrain Analysis	TRA6	Online	6	10	12	15-Mar		29-Apr	30-Apr	DIP21-16T	
5	Terrain Analysis Practical	TRA6P	Practical Session	6	2		14-Apr	14-15 Apr	29-Apr	29-Apr	DIP21-16M	DIP21 - 16D
6	Data Considerations for Map Design	DCM6	Mixed	6	16	16	23-Mar	11-Jun		18-Jun	DIP21 -38T	
7	Remote Sensing	RES6	Online	6	10	12	03-May		22-Jun	22-Jun	DIP21 - 17T	
8	Practical Applications of Remote Sensing	RES6P	Practical Session	6	2		08-Jun	08-09 Jun	22-Jun	22-Jun	DIP21 -17M	
9	Introduction to Programming	IPR6	Online	6	11	14	14-Jun		04-Aug	06-Aug	DIP21 - 18T	
10	Introduction to Geo-processing Scripts using Python	IPR6P	Practical Session	6	3		27-Jul	27-29 Jul	04-Aug	04-Aug	DIP21 - 18M	
11	GIS&T Ethics and Law	LAW6	Online	6	16	18	16-Aug		07-Oct	08-Oct	DIP21 - 19T	
12	Sharing GIS content on the Web	LAW6P	Practical Session	6	2		28-Sep	28 - 30 Sep	07-Oct	07-Oct	DIP21 - 19M	

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Second Stream

Level 1 Courses												
Name of Module	Module Code	Method of Presentation	NQF Level	Credits	Total Credits	Starting Date	Contact Sessions	Examination	End of module	Midrand	Durban	
1 Applied Mathematics for GISc	MAT5	Mixed	5	12	12	01-Mar	03-05 Mar & 22 Apr	30-Apr	07-May	DIP21 - 21M		
2 Physical Science for GISc	PHY5	Mixed	5	12	12	08-Mar	17-19 Mar & 6 May	17-May	17-May	DIP21 - 22M		
3 Introduction to Geo-information Science	GIS5	Online	5	8	12	10-May		23-Jun	25-Jun	DIP21 - 23T		
4 GIS Basics	GIS5P	Practical Session	5	4		07-Jun	07-10 Jun	23-Jun	25-Jun	DIP21 - 23M	DIP21 - 23D	
5 Introduction to Information Technology	IIT5	Online	5	10	10	17-May		18-Jun	25-Jun	DIP21 - 24T		
6 Introduction to Human, Physical and Environmental Geography	GEO5T	Online	5	7	12	28-Jun		03-Aug	06-Aug	DIP21-25T		
7 Practical Geography	GEO5P	Practical Session	5	5		28-Jul	28-29 Jul	03-Aug	03-Aug	DIP21-25M	DIP19-25D	
8 Map Use and Evaluation	MUE5T	Online	5	5	10	11-Aug		06-Sep	10-Sep	DIP21-26T		
9 Practical Map Work	MUE5P	Practical Session	5	5		01-Sep	01-02 Sep	06-Sep	06-Sep	DIP21 - 26M	DIP21-26D	
10 Basic Statistics for GISc	STA5	Mixed	5	12	12	13-Sep	20-22 Sep & 11 Nov	15-Nov	19-Nov	DIP21 - 27T		
Level 2 Courses												
Name of Module	Module Code	Method of Presentation	NQF Level	Credits	Total Credits	Starting Date	Contact Sessions	Examination	End of module	Midrand	Durban	
1 Data Quality and Standards	DQS6	Online	6	8	12	25-Jan		03-Mar	05-Mar	DIP21-28T		
2 Data Editing and Standards	DQS6P	Practical Session	6	4		22-Feb	22-25 Feb	03-Mar	03-Mar	DIP21-28M	DIP21-28D	
3 Data Manipulation	DTM6	Online	6	8	10	22-Feb		01-Apr	01-Apr	DIP21-29T		
4 Spatial and Attribute Data Transfer Methods.	DTM6P	Practical Session	6	2		24-Mar	24-25 Mar	01-Apr	01-Apr	DIP21-29M		
5 Introduction to Database Management Systems	DBM6	Online	6	12	14	19-Apr		31-May	04-Jun	DIP21-30T		
6 Building a Spatial Database	DBM6P	Practical Session	6	2		25-May	25-27 May	31-May	31-May	DIP21-30M	DIP21-30D	
7 Spatial Data Models	SDM6	Online	6	10	12	21-Jun		02-Aug	06-Aug	DIP21-31T		
8 GIS Data Structures for Data Acquisition	SDM6P	Practical Session	6	2		26-Jul	26-Jul	02-Aug	02-Aug	DIP21-31M	DIP21-31D	
9 Principles of Map Design	PMD6	Online	6	12	14	19-Jul		27-Aug	03-Sep	DIP21 - 32T		
10 Designing Maps	PMD6P	Practical Session	6	2		23-Aug	23-24 Aug	27-Aug	27-Aug	DIP21-32M	DIP21-32D	
11 OR Advanced Analysis and Map Design	AMD6P	Practical Session	6	4		29-Nov	29 Nov - 03 Dec	03-Dec	03-Dec	DIP21-33M	DIP21-33D	
12 Projections and Coordinate Systems	PCS6	Online	6	9	10	13-Sep		08-Oct	15-Oct	DIP21-34T		
13 Map Projections	PCS6P	Practical Session	6	1		04-Oct	04-Oct	08-Oct	08-Oct	DIP21-34M	DIP21-34D	
14 GPS and Land Surveying	GPS6	Online	6	11	14	18-Oct		29-Nov	03-Dec	DIP21-35T		
15 Basic GPS Knowledge	GPS6P	Practical Session	6	3		24-Nov	24-25 Nov	29-Nov	29-Nov	DIP21-35M		
Level 3 Courses												
Name of Module	Module Code	Method of Presentation	NQF Level	Credits	Total Credits	Starting Date	Contact Sessions	Examination	End of module	Midrand	Durban	
1 Introduction to Programming	IPR6	Online	6	11	14	15-Feb		31-Mar	02-Apr	DIP21-36T		
2 Introduction to Geo-processing Scripts using Python	IPR6P	Practical Session	6	3		23-Mar	23-25 Mar	31-Mar	31-Mar	DIP21-36M		
3 GIS&T Ethics and Law	LAW6	Online	6	16	18	01-Mar		28-Apr	30-Apr	DIP21-37T		
4 Sharing GIS content on the Web	LAW6P	Practical Session	6	2		20-Apr	20-22 Apr	28-Apr	28-Apr	DIP21-37M		
5 Analytical Methods	ANM6	Online	6	12		24-Jun		24-Aug	24-Aug	DIP21-39T		
6 Topics in Advanced Spatial Analysis	ANM6P	Practical Session	6	2	14	11-Aug	11-12 Aug	24-Aug	24-Aug	DIP21-39M	DIP21-39D	
7 OR Advanced Analysis and Map Design	AMD6P	Practical Session	6	4		06-Dec	06-10 Dec	10-Dec	10-Dec	DIP21-33M	DIP21-33D	
8 Terrain Analysis	TRA6	Online	6	10	12	30-Aug		21-Oct	21-Oct	DIP21-40T		
9 Terrain Analysis Practical	TRA6P	Practical Session	6	2		06-Oct	06-07 Oct	21-Oct	21-Oct	DIP21-40M	DIP21-40D	
10 Data Considerations for Map Design	DCM6	Mixed	6	16	16	06-Sep	19-Nov		26-Nov	DIP21 -41		
11 Remote Sensing	RES6	Online	6	10	12	11-Oct		22-Nov	26-Nov	DIP21-42T		
12 Practical Applications of Remote Sensing	RES6P	Practical Session	6	2		17-Nov	17-18 Nov	22-Nov	22-Nov	DIP21-42M		

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