

University of South Eastern, Faculty of Arts and Culture		
Course Code	GEM 32023	
Course Title	Remote Sensing and Global Positioning System.	
Department	Geography	
Medium	Tamil & English	
Semester	2017/ 2018 - II	
Credits	03	
Status Compulsory/optional	Compulsory	
Prerequisites	Nil	
Lecturer	Mr. MHM. Rinos	
Supporting Lecturer		
Method of Evaluation	Continuous Assessment & Final Examination	
Course Outline		
Course Objectives:		
Provide feasibility of a remote sensing image interpretation application. Compare modern and traditional classification methods of RS and GPS.		
Week	Lecture Topic(s)	Hours
1.	Introduction to Satellites & Remote Sensing	03
2.	History & Development of Remote Sensing	03
3.	Concept and Essential Components of Remote Sensing	03
4.	Electro Magnetic Radiation (EMR) & the Signals	03
5.	Sensors and Sensor Platforms	03
6.	Remote Sensing Data Acquisition and Dissemination	03
7.	Aerial Photography	03
8.	Applications of Aerial Photography	03
9.	Microwave Remote Sensing	03
10.	Applications of Microwave Remote Sensing	03
11.	Global Positioning Systems (GPS)	03
12.	Image Interpretation	03
13.	Image Classification	03
14.	Digital Image Processing	03
15.	Applications of Remote Sensing	03
Total		45
Selected Readings		
<ul style="list-style-type: none"> • Marshall Cavendish (2003), "How it works science and Technology: firework and flare Global Positioning System", New York. • சீனிவாசன் T., காளியப்பன் A., (2004), புவியியல் மேல்நிலை: தமிழ்நாடு பாடநூல் கழகம், தமிழ்நாடு. • Panda B.C., (2005), "Remote Sensing principles and applications", Viva books Pvt. Ltd., New Delhi. • Lillisand, Thomas M., Chipman, Jonathan W., Keifer, Ralph (2014), "Remote Sensing and Image Interpretation", John Willy & Sons, New York. 		