Lectures:

Due to the class being on various trips I cannot provide a time table of when we meet

Introduction: Locating, cleaning, using, processing biodiversity and habitat data for conservation planning. Theme will be invasive alien species in South African Freshwater Systems

Course Website:

http://bcbhonoursbim.blogspot.co.za/ (we will not do all of this)
http://planet.uwc.ac.za/nisl/BDC321/ (Landscape Ecology theory)
http://planet.uwc.ac.za/nisl/GIS/Power_Point/ (GIS Material)
http://planet.uwc.ac.za/nisl/GIS/spatial/ (Spatial Modelling)
http://www.umass.edu/landeco/teaching/landscape_ecology/schedule/landeco_schedule.html

(Landscape Ecology and Fragmentation)

A BCB UWC FACEBOOK GROUP has been made to help manage the course – please ensure you join the private group.

Resources:

http://planet.uwc.ac.za/nisl/BCB_BIM_honours/Ecological_Niche_Models/
http://planet.uwc.ac.za/nisl/BCB_BIM_honours/Fragmentation/
http://www.diva-gis.org/

Data sources:

http://glcfapp.glcf.umd.edu:8080/esdi/
http://www.diva-gis.org/
http://bgis.sanbi.org/
http://www.gbif.org/

Assessment:

Written Exam (40%) based on GIS Theory, GIS Modelling, Satellite Imagery, Landscape Ecology and Fragmentation. Friday 19\textsuperscript{th} August (10h00- 13h00)

Project (40%): An Assessment of an area of South Africa habitat and risk of biological invasion using Remote Sensing and Species Point Data. Written as a research paper with full metadata: Monday 22\textsuperscript{nd} August 9h00

Presentation – may be filmed (20%): Wednesday 17\textsuperscript{th} August (All Day)