Dr. T. V. Ramachandra
Energy and Wetlands Research Group, TE 15
Center for Ecological Sciences, New Biology Building, Near D Gate
Indian Institute of Science, Bangalore 560012

Web: http://wgbis.ces.iisc.ernet.in/energy
           http://wgbis.ces.iisc.ernet.in/biodiversity
Web: http://cce.iisc.ernet.in,   Email: ram@ces.iisc.ernet.in
Phone: 91-080-22933099/22933503 extn 107

Course: Environmental Management 3+0

Department: **Centre for Continuing Education** (http://cce.iisc.ernet.in)
                    September to December 2017
Course URL: http://wgbis.ces.iisc.ernet.in/em2017

Course Details (Announcement, etc.)
http://wgbis.ces.iisc.ernet.in/energy/distance_education_courses/internet_course_2017/index.php

Co-coordinator: Dr. T.V.Ramachandra [ram@ces.iisc.ernet.in]
Tel: 91-080-2293 3099/2293 3503

Reference Book:
   Vijay Kulkarni and Ramachandra T.V., 2009. Environmental Management, Commonwealth Of Learning, Canada and Indian Institute of Science, Bangalore, Printed by TERI Press, New Delhi.

	Author: **Vijay Kullkarni and T V Ramachandra**
Year:2009
Size: 18.4 x 24 cm;375pp;(Hardbound)
Language:English
ISBN: 978-81-7993-184-4
Cover price:Rs 550.00 / US $112.00
Special price:Rs 495.00 / US $101.00
	Available on line:
http://bookstore.teriin.org/book_inside.php?material_id=557

Please procure this publication quickly. **The chapters are in self-learning format** and go through first five chapters (mid term exam is based on the first five chapters of this book)

Important Dates

Contact Session Midterm exam	2-6th September 2017 (8 30 am to 6pm) 6th Sept 2017
Internet sessions	October and November 2017
Final Contact session* Final Exam	22-28 December 2017

*schedule will be finalized in consultation with all participants (during September 2017 session) during December (22-28th) 2017.

Course Announcement & updates/details:
>   http://wgbis.ces.iisc.ernet.in/energy

Course Schedule:
Venue: CCE Lecture Hall (next to IISc Students' Hostel office, NESARA/Kabini restaurant), Indian Institute of Science
Registration: 2rd September 2017, 8 30 am
>   **Class Schedule: 9 am to 6 pm** (may go beyond depending on the session)

2-6th September 2017	**First contact Session,** Mid term Exam
October to November 2017	**E-learning**: Chat session, E mail, Interaction through discussion via E mail
December 2017*	Final Contact session: Presentation of 10 units by participants (22-26th December 2017) Final Examination (27th December 2017)

*Schedule will be finalized in consultation with all participants (during September 2017 session).
E. Tutors:

	E Mail	Role Internet – chat session, etc.
Dr. T. V. Ramachandra	ram@ces.iisc.ernet.in	Co-ordinator
Durga Madhab Mahapatra	durgamadhab@ces.iisc.ernet.in	Subject Expert
Bharath H Aithal	bharath@ces.iisc.ernet.in	Subject Expert
Harish Bhat	harishrbhat@gmail.com	Subject Expert
Bharath Settur	settur@ces.iisc.ernet.in	Subject Expert
Vinay S	vinay@ces.iisc.ernet.in	Subject Expert
Tara N	tara@ces.iisc.ernet.in	E-tutor
Sudarshan P. Bhat	sudarshan@ces.iisc.ernet.in office@cce.iisc.ernet.in	Subject Expert Administration

Internet Course:

Enviroment Management (3:0), Sept - Dec 2017

Programme Outline

1. **First Contact Session** : First week of September 2017 (2-6 Sept 2017), Topics Covered: All ten chapters, Guest lectures – Urban solid waste management, Processing techniques, aquatic ecosystems monitoring – diatoms, economic valuation, landscape ecology, unplanned urbanization and consequences on the local environment, Mid term exam (6 September 2017)

2. **Accommodation**: **All outstation participants have been accommodated at Centenary Visitors Guest House, IISc Campus (in case outstation participants who has not indicated in the application but require accommodation need to inform us (ram@ces.iisc.ernet.in)**

Please check your accommodation details at
http://wgbis.ces.iisc.ernet.in/energy/distance_education_courses/internet_course_2017/index.php

3. **Internet Session**: Discussion of 10 chapters through Chat session moderated by respective participants
   Dates will be finalsied during the first contact session

Dates, time (7.30-8.30 **pm**, 1930 – 2030 hrs)	Chapters	Moderator I	Moderator II

4. **Assignments**: At the end of each chat session, an assignment would be announced to be submitted as email attachment within a week (From the announcement date).

5. **Tests:** Quiz with random questions would be arranged once we complete significant number of chapters (after 4/5 chapters)

6. **Projects** (Titles will be finalized during the midterm contact session)

Candidate	Dissertation title

Last date for submission 15th November 2017

Format for Dissertation

Format for Dissertation
Title
Author
Summary
Keywords
Introduction
Literature Review
Objectives
Methods
Study Area

Results

Discussion

Scope for further work

Conclusions

Acknowledgement

References

Journal Article:
Author/s, year, Title of the article, Journal title, Vol (Issue), Page no's

Book:
Author/s, year, Title of the book, publisher, place
Vijay Kulakarni and Ramachandra, T.V. 2009, *Environmental Management*, Commonwealth of Learning, Canada and IISc, Printed by TERI Press New Delhi

Note: the report be submitted in e-version as well as one hard copy (no plastics for cover page, etc.)

Final contact Session –**December 2017**

Venue: CCE Lecture Hall (next to IISc Students' Hostel office, NEASRA)
Indian Institute of Science

Class Schedule: 9 am to 6 pm (IISc time)

Dates	
22-24 December 2017	Presentation of 10 chapters by participants
24-26 December 2017	Presentation of Dissertation, Guest lectures
28 December 2017	Final Exam
25th January 2017	Announcement of Results
15th March 2017	Dispatch of graded certificates by CCE office

Centenary House - Route Map

Near Ramaih Hospital, IISc , Bangalore (Phone: 080 22933500 / 22932100)

Food availability in the campus; Closer to Hoysala House Hotel/Restaurant – **NESARA Restaurant** (8 am to 9 30pm), Kabini Canteen (8 am to 9 30 pm)
Prakruthi Canteen (7 am to 10 pm) near TATA Book house/IISc Security office

Administration: CCE Office (opposite to IISc Security office/ ATM's of SBI and Canara Bank)

General Info - How to reach IISc

http://wgbis.ces.iisc.ernet.in/energy/lake2010/information.htm

http://www.iisc.ernet.in/content_geninfohowtoreach.html
How to reach IISc from the Airport/Railway station /Majestic?
Bangalore is connected by air, rail and road to all the metropolises and most major cities of the country. Also, one can fly direct to Bangalore from several international airports

IISc is about 35kms from the airport. One could take either a prepaid taxi (currently, costs Rs. 900-1200, and the counter is available near the exit of the Airport arrival gate), or a city taxi (costs about Rs. 600, and a queue for the same is just outside the airport building). The Institute is known as "Tata Institute" to the locals and is just past Mekhri circle and on the way to Yeshwantpura (one must take a right turn at Mekhri circle). Shuttle bus service, operated by Bangalore Metropolitan Transport Corporation (BMTC), runs from the airport to various areas in Bangalore city every 15 minutes. Details of the schedule can be found here. Additional information on the airport can also be found at its official website: (http://www.bengaluruairport.com/)

The city railway station is about 7 kms from IISc campus. One will have to get out of the station from platform number ONE and reach the prepaid taxi stand and hire a city taxi (costs about Rs 150). Majestic (7kms from IISc) is the central Bus stand in Bangalore which is just opposite to the City Railway station. If one happens to reach Majestic, Bangalore by bus, reach platform number 22 from where almost all buses come to the Institute.
If one plans to take a bus into town, one will have to move past Malleswaram 18th cross bus stand towards Yeshwantpura in order to reach IISc (also popularly called Tata Institute). There is also a bus stop on the highway between the yellow over bridge and Prof. CNR Rao circle, and another one at Prof. CNR Rao circle (on Sir CV Raman Road). Finally there is a bus stop at Yeshwantpura tollgate, just off campus near R block. Most buses go to one of these places.
>> Click here to view the route map
 Take assistance from **Google map** http://earth.google.com