



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 2015

Course URL: <http://wgbis.ces.iisc.ernet.in/em2015>

Course Details (Announcement, etc.)

http://wgbis.ces.iisc.ernet.in/energy/distance_education_courses/internet_course_2015/index.php

Co-coordinator: Dr. T.V.Ramachandra [ram@ces.iisc.ernet.in]

Administration: 2293 2247/22932491 (Ms.Vatsala,
Email: vatsala@cce.iisc.ernet.in)

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.

	<p>Author: Vijay Kulkarni 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</p>
<p>Available on line: http://bookstore.teriin.org/book_inside.php?material_id=557</p>	

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	2-6 th September 2015 (8 30 am to 6pm) 6 th Sept 2015
Internet sessions	October and November 2015
Final Contact session* Final Exam	December 2015

*schedule will be fixed in consultation with all participants (during September 2015 session) during December 2015.

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: 2nd September 2015, 8 30 am

Class Schedule: 9 am to 6 pm

2-6 th September 2015	First contact Session, Mid term Exam
October to November 2015	E-learning: Chat session, E mail, Interaction through discussion via E mail
November/December 2015*	Final Contact session: Presentation of 10 units by participants (December 2015) Final Examination (December 2015)

*Schedule will be fixed in consultation with all participants (during September 2015 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
Sudarshan P. Bhat Vatsala	sudarshan@ces.iisc.ernet.in vatsala@cce.iisc.ernet.in office@cce.iisc.ernet.in	Subject Expert Administration

Internet Course:

Environment Management (3:0), Sept - Dec 2015

Programme Outline

1. **First Contact Session** : First week of September 2015 (2-6 Sept 2015), 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 2015)
2. **Accommodation:** All outstation participants has been accommodated at Centenary Visitors Guest House / Hoysala Guest House, IISc Campus (in case outstation who has not indicated in the application but require accommodation need to inform Ms. Vatsala – vatsala@cce.iisc.ernet.in, 2293 2247 or 2535 with CC to ram@ces.iisc.ernet.in)

Gates closer to Hoysala Guest House:

(You may enter from the Main gate or D – Gate (Mathikere road)

Please check your accommodation details at

http://wgbis.ces.iisc.ernet.in/energy/distance_education_courses/internet_course_2015/index.php

3. **Internet Session:** Discussion of 10 chapters through Chat session moderated by respective participants

Dates will be finalised 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 2015

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 2015

**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	
December 2015	Presentation of 10 chapters by participants
December 2015	Presentation of Dissertation, Guest lectures
December 2015	Final Exam
25 th January 2016	Announcement of Results
25 th February 2016	Dispatch of graded certificates by CCE office

Contact person: For certificate, Accommodation

Hoysala Guest House – 22933535

Hoysala House - [Route Map](#)

Behind Physics Department, IISc Campus, Bangalore-12 (Phone: 080 - 22932535)

Centenary House - [Route Map](#)

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

Accommodation arrangements:

At Hoysala House Phone number 22932535

Hoysala Guest House - Behind Physics Department, Opposite to NMR centre, (closer to Canara Bank) IISc Campus, Bangalore-12 (Phone 22932535)

Route Map

http://wgbis.ces.iisc.ernet.in/energy/lake2010/Hoysala%20GH_map.JPG

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>