

## Course: Environmental Management 3+0

August to December 2012

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Co-coordinator: Dr. T. V. Ramachandra  
Energy and wetlands Research Group  
Center for Ecological Sciences  
Indian Institute of Sciences  
Bangalore 560012

Web: <http://wgbis.ces.iisc.ernet.in/energy>  
<http://wgbis.ces.iisc.ernet.in/biodiversity>

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Phone: 91-080-22933099

Administration: 2293 2247/22932491 (Ms.Vatsala)


**Course URL: <http://wgbis.ces.iisc.ernet.in/em2012>**

### Course Details (Announcement, etc.)

[http://wgbis.ces.iisc.ernet.in/energy/distance\\_education\\_courses/internet\\_course\\_2012/index.htm](http://wgbis.ces.iisc.ernet.in/energy/distance_education_courses/internet_course_2012/index.htm)

### 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, NewDelhi.

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

Please procure this publication quickly. The chapters are in self- learning format.

### Important Dates

|                       |                                  |
|-----------------------|----------------------------------|
| Contact Session       | 1-5 <sup>th</sup> September 2012 |
| Midterm exam          | 6 <sup>th</sup> Sept 2012        |
| Internet sessions     | October/November 2012            |
| Final Contact session | December 2012                    |
| Final Exam            |                                  |

Course Announcement: <http://wgbis.ces.iisc.ernet.in/energy>

**Course Schedule:**

**Venue: L 10 Lecture Hall Complex, Centre for Continuing Education  
Indian Institute of Science  
Registration: August 2012**

**Class Schedule: 9 am to 6 pm**

|   |  |
|---|--|
| <b>1-5<sup>th</sup> September 2012<br/>6<sup>th</sup> Sept 2012</b> | First contact Session,<br>Mid term Exam  |
| October to November 2012  | E-learning: Chat session, E mail,<br>Interaction through discussion via<br>E mail  |
| December 2012   | Presentation of 10 units by<br>participants (Dec 2012),<br>Project presentation by participants<br>(Dec 2012),<br>Final Examination (Dec 2012) |

**E. Tutors:**

|                        | E Mail  | Role<br>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                        |
| Uttam Kumar            | uttam@ces.iisc.ernet.in                               | Subject Expert                        |
| Bharath H Aithal       | bharath@ces.iisc.ernet.in                             | Subject Expert                        |
| Shwetmala              | shwetmala@ces.iisc.ernet.in                           | Subject Expert                        |
| Harish Bhat            | harishrbhat@gmail.com                                 | Subject Expert                        |
| Vatsala                | vatsala@cce.iisc.ernet.in<br>office@cce.iisc.ernet.in | Administration                        |

## Internet Course:

### Environment Management (3:0), Aug - Dec 2012

#### Programme Outline

1. **First Contact Session** : 1<sup>st</sup> to 6<sup>th</sup> Sept 2012, 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
2. **Accommodation: All outstation participants will be accommodated at Hoysala Guest House, IISc Campus**

(Phone: 080 2292535 / 22932247)

**Gates closer to Hoysala Guest House:**

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

(CCE Lecture Hall is about 5 minutes' walk from Hoysala Guest house)

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

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



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 2012**

**Venue: L 10 Lecture Hall Complex, Centre for Continuing Education**

**Indian Institute of Science**

**Class Schedule: 9 am to 6 pm**

| Dates                     |   |
|---------------------------|---|
| Dec 2012                  | Presentation of 10 chapters by participants   |
| Dec 2012                  | Presentation of Dissertation, Guest lectures  |
| Dec 2012                  | Final Exam                                    |
| 25 <sup>th</sup> Jan 2013 | Announcement of Results                       |
| 25 <sup>th</sup> Feb 2013 | Dispatch of graded certificates by CCE office |

**Contact person:** For certificate, Accommodation

Ms.Vatsala (22932247)

vatsala@cce.iisc.ernet.in  
office@cce.iisc.ernet.in

## **Accommodation arrangements:**

At Hoysala House Phone number 22932535

**Hoysala Guest House - Behind Physics Department, IISc Campus,  
Bangalore-12 (Phone 22932535)**

Route Map

[http://wgbis.ces.iisc.ernet.in/energy/lake2010/Hoysala%20GH\\_map.JPG](http://wgbis.ces.iisc.ernet.in/energy/lake2010/Hoysala%20GH_map.JPG)

## **General Info - How to reach IISc**

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

[http://www.iisc.ernet.in/content\\_geninfohowtoreach.html](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. 750, and the counter is available near the exit of the Airport Building), or a city taxi (costs about Rs. 500, 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 (BMTTC), 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](#)