Evaluation form for Open Source GIS Course

Answer Count: 38

What did you like most in the course? Why?

What did you like most in the course? Why?
All of it. Since it was very useful
The broad structure teaching the most important techniques and softwares.
I have to be perfectly honest - I completed this course (absent this evaluation) in 2011. That said, this was one of the more interesting and challenging courses. I enjoyed the exposure to all of the non-ESRI GIS platforms. Perhaps my favorite part was learning about open copyright law, Linux, and Richard Stallman.
I liked that I was introduced to a lot of different technologies which I had only heard of. The introduction was broad and provided a good base for further work
I liked the focus on practical exercises in this course. There was only one theoretical exercise, which I think is adequate for a course like this one. I also liked that students are challenged to try new things, even if they may look bit intimidating.
In this course I liked more the section on GRASS. I found very interesting that using this software you can perform complicated tasks in vector and especially raster data. The new UI was also very nice.
What I liked most in the course is that it gave me the possibility to experiment different open source softwares and that it explains well how the open source world works.
I liked the presentation of different Open source software (i.e. Grass, gvSIG etc.), especially the focus on not only desktop applications but also cliet-server and libraries.
I really liked getting to see how open source projects work and to find out the motivation for people to get involved. This was covered in the introduction, and I looked at it again in the project.
Almost everything related to this subject, Open Source GIS, was new to me. It was interesting to learn.
Working with JTS (although the last update seems to be quite some time ago) and the ability to work on a project of your own choice.
I liked the whole concept where I tried several different open source related software. Good structure on the course.
I liked to learn about the open source GIS-program, but most intresting was the software libraries part. It is usefull to know about these if one would like to extend a software or build a new one.
working with a lot of software was something interesting for me. because I got familiar with alot of software and got a lot of knowledge.
Getting to know a broad variety of software, most of which I had not used before. I enjoyed learning something new.
Exposure to open source softwares especially QGis which can be used as an alternative in small organizations with a small capital base. also GeoVista software whhich can be used to analyse spatial and non spatial data especially when there are multiple factors under investigation.
The whole idea of Open Source Software. I have learn so much. I think this is helpful for Africa especially my country Kenya. We have scare resource for affording licenses software related for GIS application. This has taken me several steps forward. I would promote this in our local Universities.
The whole idea of Open Source Software, this is very necessary for African local universities that has scare resources for purchase of licenses for GIS commercial softwares.
To learn about all the different programs available.
I'm glad I got to work with different application especially with QGIS, but also the other ones. It's good to have options if ArcGIS is no longer available (as student license). I also liked the project part. I struggled with finding the different functions in the program, but I succeeded and that feels good.
Module 2 with examples of how to use open source gis applications.
The section on Client-Server. It was something new for me and I found interesting how to publish information in the web with Open Source. Also a big challenge for me. I don't have a programming background, but I was able to understand and produce something of my own interest with this knowledge for the project.
I liked that the course used so many different GIS software. It was great to get familiar with different methods and libraries.
Overall I liked the course very much. That I got to try and learn different open source desktops were especially good.
A lot of exercises and practical examples. Also very good approach to motivate use of OSS.
I enjoyed to see the relationship between the different software tools used in terms of visualization and output obtained, and its similarity (or not) with ESRI GIS software. It gave me the opportunity to learn that different techniques can be used for the same purpose, and that sometimes the user does not need to pay for it.
Everything. I can't really drop out anything from this course. Why? because this really opens my eyes that in GIS world, even if one doesn't have money to buy named Software he can really does what he wanted using available Open source tools.
That it gave an introduction about new open source software that I had not used before, and showed how they are possible to use
I liked the practical approach to the subject. Lots of hands on in the exercises.
The introduction to new GIS software, different implementations, software models and methodologies. I especially liked the server information provided in the course.
I really liked desktop applications exercises and how few software can be combined to get more accurate and reliable results.
Over all the course is excellent. But I liked the most regarding the open source desktop applications. I learned so much from these applications.
I LIKE THE USE OF DIFFRENT SOFTWARE APPLICATIONS. BECAUSE I HAVE LEARNED DIFRENT SKILLS.
The course provides theoretical information about open source and GIS environment and most of all builds hands on technical experience of desktop and client-server open source applications. Besides, it covers some technical programming aspects which makes it really interesting and fun to study.
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I like most the approach of the course. The course is Open Source GIS and it tries really to make student understand and apply the open source GIS in both technologically and legally. The assignments and projects were well designed. It helped both those interested in really development and those interested in management part of open source.
The course introduced me to new applications and the concept of open source and the Community associated with it.

What did you like least in the course? Why?

Nothing

The exercises could generally have been more demanding.

The Java exercise was the most complicated... I don't have a coding background and I think there could've been better lead-up exercises. While I knew what I wanted to do theoretically, I didn't know the proper syntax.

I did not like the fact that a lot of the technologies were a little old and also that not enough introduction was given to areas such as Java (I had to take a java course, which is good, but it took a long time).

I was derailed on the GeoVista exercise as the link to the software (and the software's main home page) lead to installation of a dated version.

The geoserver exercise is kind of pointless as the topic get much better and thorough coverage in another course (GISN09).

The presentation of the GeoVista. The software was really good but I couldn't see how it could be useful for me in the future.

There is nothing that I didn't like, I reckon that the course is well structured and there is a good mix between theory and practice.

the GeoVista assignment. Although I liked the idea of identifying relations between cancer and socio-economic factors - I had a lot of trouble understanding the program.

Getting the liveCD to work took a long time, and then it turned out we didn't actually use it. That was the thing I liked least.

It was also frustrating to spend a lot of time trying to get some of the software packages to work - the installation and version selection sometimes had to be carried a number of times in order to complete the exercises. However, this is an integral "feature" of open source software - you have to know what you are doing if you use open source software, so I do not count this as something I didn't like.

Some exercises, like Java, are very difficult for a beginner. One can get stuck for a long time, getting various errors etc and not knowing how to proceed. I understand it is difficult to give feedback without telling the answer (code), but maybe some instructions should be provided for those who have never programmed before.

The desktop applications, which was mainly following steps.

The last exercise involving the programming. I did not have that much experience which made it difficult. But it was great once solved!

The client server part, it was a too limeted to get a good understanding of how it works.

installing most of the soft wares in this course was really difficult for me and the explanation about installing these soft wares in the exercise wasn't really sufficient.
also, determining a project by our selves is really difficult because I was really confused to define any project.

Some of the material was not sufficiently explained or confusing. E.g. reference was made to additional material within the lecture video or assignment sheet that was not available for download.

The task on java should have had a more gentler introduction to assist those that are new to it.

Ex4. on programming. Its not advance yes. But, there should be some notes and examples for beginners.

Ex.4 On programming. There need for example and some notes for beginners on Java programming.

The short amount of time learning some programs.

I think the programming exercise could be improved upon. It's a very difficult exercise for one with no programming experience. It either needs more instructions or it should be removed.

I was also a bit upset when I realized that some teachers didn't seem to read the answers I provided. I put effort in answering and doing the exercises and it would be nice to know that the teacher is actually reading it.

jts and java programming, because not enough guidance and lecture material provided to complete the tasks in an effective manner.

As mentioned in the first Question, my lack of a programming background make that I had some troubles with the Client-Server section and also with the Libraries section. It was not because of the course contents, but my lack of knowledge in this field.

I think that the Java exercise was too hard. We didn't get any preparation to solve the exercise. I would have liked to have got an introductory lesson to JAVA before starting this exercise. Also i would have liked more extensive information on how to download, install and use eclipse.

Nothing that I can think of. Maybe the Java exercise was a bit too difficult, I could have been good with some more information in that exercises. It took me very long time to solve that exercises, it was good but very hard.

No negative sides.

Definitely, the way the software libraries exercise was performed. I have no knowledge on programming, Java included, and no previous notice was given on the fact that Java was needed, it was not in the requirements to enrol in the course and it is not taught in the course either. It was a great handicap to try to finish that exercise, although the teacher´s help was very instructive.

The current structure of the course is wonderful.

That there were many times the prgrams did not work and I felt that I did not get any help from the teachers. Also sometimes I got almost rude answers. It feelt like the theacher had a bad day and then took it out on the students

Nothing I liked the least, but there were some challenges due to some mismatch between available versions of software and the written instruction for the exercises.

The implementation is not based on most current operating systems or software versions. For example, Visio 2013 no longer supports the ability to create uml diagrams for ArcGIS.

I did not like Java exercise because I do not have any prior knowledge in coding and prerequisites for Open source course did not include knowledge of coding.

I liked least Open Source Software Libraries because there is no practical help to solve the exercise.

NONE

I was a bit overwhelmed by the amount of work related to the desktop application section, especially the Geovitsa part was very complex and the instruction was not sufficient to cover the exercise.

I was a bit overwhelmed by the amount of work related to the desktop application section, especially the Geovitsa part was very complex and the instruction was not sufficient to cover the exercise.

Everything was fine, but minor issues was because of time, software versions have changed and hence some procedures in configuring some applications were not as exactly as written in given handouts. But this is very minor and actually it has helped me to learn more.

Some of the course material was outdated.

What was missing in the course? Why?

What was missing in the course? Why?
Nothing
The could have been more instructions about the project. I felt like having to be very creative when making the project.
More coding exercises (starting simple and moving to more complicated).
More updated technologies, more references to recent material.
There are too many topics that COULD be added to the course, but it will have to stop somewhere. Maybe the geoserver exercise could be replaced by some other software (e.g. Geotools, QGIS, uDIG etc.) but the list is so long that I can't say there is anything "missing".
I think that QGIS should be one of the open source software included in this course. Also, more details on server GIS (like geoserver) should be available.
I think that the course is well structured.
I just think that maybe something could be add about java in module 4. It could be interesting to give some basic knowldge.
I would have liked to get a clearer comparison of the different software. For example, when choosing between Open Source desktop applications, what are the general strengths and weaknesses of each application? Why should I choose Grass over gvSIG or the other way around? Are there certain applications more common in certain countries, or GIS applications? This could help me select the most applicable open source project in the future.
I think it would have been useful to include a question in each exercise on the different software packages (GRASS, gvSIG, etc.) in which we were asked to summarise the software - what it can be used for, what facilities it has, etc. That way, I would have had a record of each package. I found that at the end, I had to look back at each one to remember what it did.
I wouldn`t say there was something missing.
R. Because, to me, this is the future in open source GIS and has the best documentation.
Maybe a more theroretical part of the 'libraries'. It could have done a bit more easier.
We have some exercices with the geometry libraries (JTS). It could perhaps also have been usefull to have an exercice with the next level, the geospatial libraries.
having a good source for installing soft wares.
The topics covered by the course were broad. I was not missing any topics.
The task on java should have had a more gentler introduction to assist those that are new to it.
Open source statistical software with GIS application, R to be specific. In the beginning I was really looking forward for this. I think R programming language has a broad application. Unfortunately, there was none. There is need for specific appointment with teaches on Skype. But there should be a mechanism to qualify an appointment. This will help to clarify some issues that you may not understand.
The issue on R as open source software. The trends are more on the use of R especially in for research. I was really looking forward for this with GIS application. But there was none.
Maybe some more theory about open sources.
I'm not sure that something was missing.
Not sure.
I would like to have a brief introduction on programming, because of my lack of knwoledge on this field.
I would also like to have more exercises with the different softwares available, specially with Quantum GIS, which seems to me the more developed software. I think the developing of these softwares are crucial to a wider use of Open Source Geospatial, and the best way to developing them is to use them.
I would have liked a module on using javascript libraries more. Perhaps using OSM and OpenLayers to make simple web sites.
Nothing was missing according to me.
This course has potential to be extended, because some topics can be further decomposed for more comprehensive OSS approach.
Some teaching on Java if it is going to be required to pass the exercises, or a previous attention call saying that programming is mandatory before starting it.
I started earlier in the course and QGIS was not included and it was added to the course material. If I am not sure whether here is the appropriate place but i believe it is also good to see some aspect of server side database applications which are open source (PostgreSQL together with postgis).
I do not think anything was missing
Up to date descriptions for the exercises.
More theoretical introduction to the Java programming exercise.
I would prefer some more information on the server aspects of open source software. Setup and use were not as detailed.
Java lectures since there is java exercise and I know that many students struggled with this task.
Over all the course is designed so good. But some practical help material should be included in the module like Open Source Software Libraries.
NONE
NA
NA
I wish all the FOSS4G technologies to be included and the course credit to be increased
Nothing

What should absolutely NOT be excluded from the course? Why?

| What should absolutely NOT be excluded from the course? Why? |
| --- |
| The background, philosophy and licenses of open source applications. |
| I think the background on open source computing makes everything meaningful and worthwhile. I helps you think about ESRI in a whole new light (as well as the 'anonymous' coders out there that have protected the freedom and democracy of data sharing over internet). I have so much respect for the origins of open source and am much more willing to spend my resources building GIS-based tools that benefit the open community. |
| The introduction to the different aspects of Open source. |
| GRASS. It just isn't an open source GIS course without spending at least one module on it. |
| The sections about gvSIG, GRASS and geoserver. |
| I personally think that all the modules are necessary so I would no exclude anything. |
| The different programs. Although it took a while to download all the programs and understand them, it did give a good overview of what types of programs and projects are available. |
| I particularly enjoyed the project, and think it should not be excluded. |
| All the modules introducing different OS programmes. It is useful to know which OS programmes one can use. |
| Some modelling, such as the JTS work. Maybe also promote this more in the project, because it is quite important that people with a MSc in GIS can do some modelling. |
| The structure with all the components! I had a really good overview from desktop applications to libraries. |
| The basics of open source filosophy, and the exercises with different open source programs as Grass,QGIS and qvSIG. |
| I think the exercise which should be done by Java program should not be omitted from the course. I think it is really useful software. |
| The variety of software discussed as well as the detailed introduction because this maximizes the learning outcome. |
| open source softwares QGIS, GeoVista, Grass since they provide alternatives to the proprietary softwares especially in one-off projects. |
| The whole course is fine but there should consinder my request in 3. R is powerfull and would be nice to learn and be proficient with it as an open source software with GIS packages/libraries |
| The programming bit. This give more insights on in relation to GIS application. |
| The Geoserver exercise |
| I like module 2 where we got to work on different applications. |
| Examples of gis desktop applications, because it's valuable knowledge when working with gis. |
| The exercises with the different softwares. As stated before it is important to know the different options available of OSG |
| I liked the client server exercise it gave insight on how GIS application on the internet could be used. |
| The desktop applications exercises, they are really good and fun. |
| Tutorials on OSS GIS use and customizing through some basic programming. |
| Module 2 on desktop applications. It was very interesting in order to have a broad understanding of different open-source software tools. |
| Application of Geovista. |
| The variety of programs, it is good to get to try several different programs |
| The hands on exercises for the different software. |
| Theories exercise because it explains a lot about open source and its purpose. |
| Nothing |
| THE DIFFERENT SOFTWARES SHOULD BE THERE FOR STUDENTS. |
| The last two parts are very important(JTS library and the project) |
| The last two parts are very important(JTS library and the project) |
| FOSS4G technologies in this course. These technologies have empowered me not to rely very much on the arcGIS which is very expensive. |
| The final Project was a good oportunity to explore open source topics of interest. |

The pedagogic approach suported my understanding and learning in an excellent way! (1=I totally disagree - 5=I agree strongly)

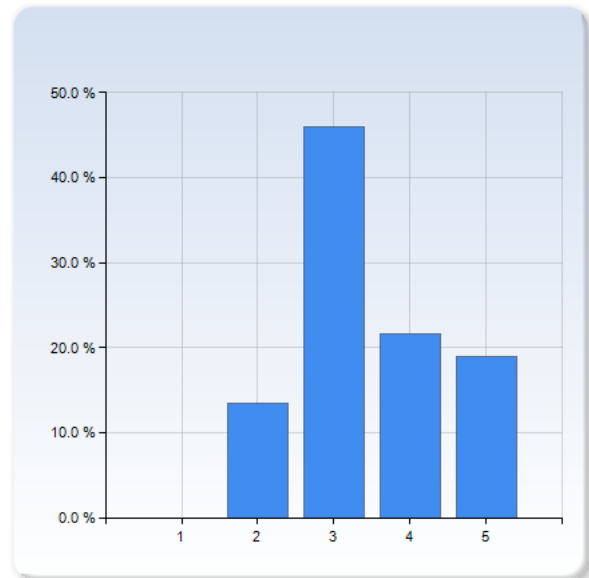| The pedagogic approach suported my understanding and learning in an excellent way! (1=I totally disagree - 5=I agree strongly)	Number of Responses
1	0 (0.0%)
2	5 (13.5%)
3	8 (21.6%)
4	15 (40.5%)
5	9 (24.3%)
Total	37 (100.0%)
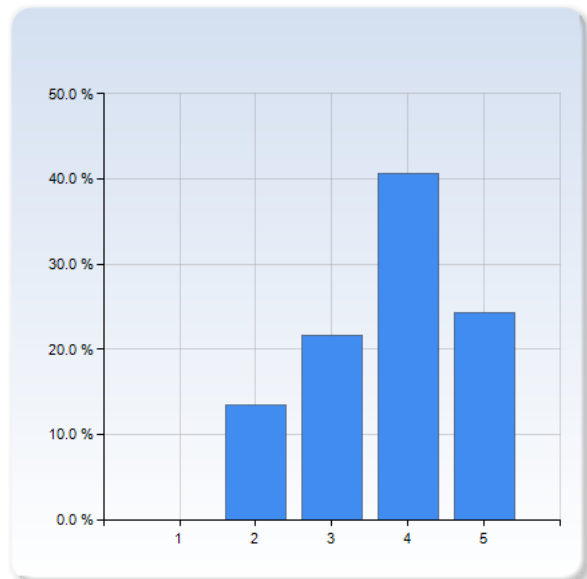
	Mean	Standard Deviation
The pedagogic approach suported my understanding and learning in an excellent way! (1=I totally disagree - 5=I agree strongly)	3.8	1.0

How was the workload in this course in relation to to the ECTS credits? (1=too easy - 5=too difficult)(7.5 ECTS=5 weeks 100%)

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1	0 (0.0%)
2	5 (13.5%)
3	17 (45.9%)
4	8 (21.6%)
5	7 (18.9%)
Total	37 (100.0%)

	Mean	Standard Deviation
How was the workload in this course in relation to to the ECTS credits? (1=too easy - 5=too difficult)(7.5 ECTS=5 weeks 100%)	3.5	1.0

Tell us something about your experience of web-based/ITC mediated learning in this course. Please elaborate and relate to the compulsory courses GISA01, GISA02 and GISA11!

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Its very good to have the lectures online and being able to see them whenever you want. Thats really an advantage with internet courses from my experience. Also for this exercise the lectures were quite rewarding.

The downside is that its much harder to discuss things with class mates and teachers. Because of this I feel it takes much more time to complete a course. On the other hand having to deal with the content individually, can make have to learn things yourself and with a deeper understanding than you would have done otherwise.

I passed the compulsory courses back in 2005... hard to really dust off the memories at this point.

I think this is one of those courses which would have benefited from more examples, especially where java was concerned. JTS is very difficult for a beginner to grasp, and more help, in the form of examples, was needed for that.

In the last two modules (Java) I had a very "normal" interaction with the teacher. We discussed the assignments and what could be done better in the code. No limitations there.

The web based learning methods provide all the necessary tools for that purpose. It is good that the latest version in moodle provide also a direct way to communicate with the teachers. For me it is important to improve that communication.

I think that it is a great experience since it gave me the possibility to get a very good knowledge of the things that suite my interest and, more important, it gave me the possibility to organize the time in the way I prefered.

The teachers replied very quickly, thank you! The Geoserver assignment was related to other courses, and I was happy that I had followed some programming courses - this helped a lot with the final Java assignment. Perhaps other students who chose less programming courses would find this more difficult.

I don't really understand this question.

On this course, a lot of things were left to the student to find out how to do, as opposed to the more step by step approach in the compulsory courses, where there was more clear guidance throughout.

Also, on this course there were several un-related exercises, in which the various open source software tools were explored. I think (as I mentioned in my answer to question 3) that some analysis/review of each software package would have been useful.

Good experience.

After over a year in the MSc you start seeing some duplication in different courses, but web-based learning is still ideal for GIS

It was a bit more self studies where I had to look more on the internet on how to solve the tasks but still a good connection to you teachers on the course. The last exercise before the project was a bit difficult and I don't know about the others on the course but it took quite a while to figure it out. I don't really know how to make it a really good web-based exercise though but on the other hand it was a really good experience! The course was quite different from the compulsory courses but it gave me more understanding of other GIS software as well!

This was the first web-based course I have taken at Lund University. It is very convenient for me that I can fit this course in my otherwise busy agenda, as it is very flexible.

The learning was ok though the java exercise needs re-evaluation.

This is nice. I like personally. Like I said earlier, there should be a mechanism for meeting teachers on some issue may on Skype.

There should be a mechanism for communication with teaches on pressing issues, in this era of Skype. It should also be established what is really pressing.

Works fine except that it were some problems with the server.

I felt like the compulsory courses were rather dated (although the material was most of the time relevant). So, this course was more updated which I appreciated.

I think it's a great way to study; however, it's sometimes difficult to get help when you get stuck. I think the web-based system used in this course, as well as the other compulsory courses, works well.

It has been a great experience. I have been able to learn on my own pace, probablly slower than I would like to, but I have been advancing. This course in relation with the compulsory courses is a little bit different, because it is a totally different orientation. In this course we explore the philosophy of the OSG and work with the different options. In the compulsory courses we are learning about GIS and its applications. Probably, include some of the exercises of the compulsory courses using OSG will be help.

I think that the later part of this course (module 3 and 4)required a lot of do it yourself problem solving i would have liked a little more material to get started with those exercises.

I have learnt a lot and really liked this course; the structure and the exercises. If I had some question and asked the teachers I got respond very fast.

Communication with teaching staff is great, very fast and helpful.

Materials delivered through Moodle are informative, easy to access and I especially like that lectures are in video, but also in pdf format.

Since taking the compulsory courses, I notice only advance in means for transferring know-how.

Compared to the introductory course to GIS, this Open Source course has followed more or less the same pattern. Some exercises are more difficult than the others, but thanks to the web-based lectures it is possible to repeat the learning material over again and get the most of the learning experience. Constant communication with teachers has been very helpful too.

I believe as long as the material are there and the teachers quality is kept as it is now, I have never have difficulties to follow and learn from the system. I appreciate the support and guidance i am getting from the instructors.

I have read some coruse before with open source GIS but there were several new programs in this course that I had not used before

I found some mismatch between the instructional videos and the exercises in this course then compared to GISA01, 02 and 11.

My experience is very good in learning of this course. After the study of comulsary courses GISA01, GISA02 and GISA11, Open Source GIS course has produced the methodology and concepts about open source GIS technologies which is valuable in current period.

I HAVE EXPEREINCE IN WEB BASED LEARNING FROM LUMA. I HAVE COMPLETED 60 ECTS credits in the master's program. it needs more time to experience the courses in detail. but it gives the opportunity for students to work independantly.

I have no complaints so far except one regarding on time approval of exercises.

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The web based approach is very good, the approach used in basic courses (GISA01 etc) was necessary because at that stage students are completely new and needs a lot of assistance. But in this course students do not need that depth of assistance. What is missing in this course (and in many advanced courses) are the ungraded review questions. These (review questions) are important for student to remember some otherwise forgotten concepts.

The web-based Learning provides a good platform for indtroducing other GIS applications which are based on concepts learned in the introduction Courses.

How much was the balance between theory and practicals in this course?
1= too much theory; 3= Good mix; 5= too practical

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1= too much theory; 3= Good mix; 5= too practical

3
3
3 - however, again, I would simply add a module (or two) that prepares the student for the Java exercise....
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3. There was a lot of practical work on this course, but I like that!
Good mix.
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good mix
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Free comment on anything else regarding the course.

I think it could be good to give students more feedback on the exercises, particulary on the project. Comments like "well done" feels very short when having worked on a project for two weeks or so. Generally (but not in LumaGIS) I would expect at least 4 or 5 lines of comments.

The course can be very difficult or very easy depending on student's background. I my case I was very well prepared but I suspect that students will have varying experiences from this course.

I think that this course should focus to the most used (and maybe useful) open source software. Especially the client server exercise was very introductory.

I did not really know exactly what the term "open source software" meant before I started this course. I really enjoyed finding out about it. It was interesting to see that I had already used some of it - GeoServer, Python, and Moodle - without realising it was open source.

The replies to assignments was too limited in this course. Sometimes you work a week on a project and in those cases a reply such as 'well done' is that nice to read.
Especially for the project I would expect a bit more feedback than two words.

Very good feedback on the exercises! Well done!

In the registration task one can read:

"Ability to appraise:
-In the area of Python programming, assimilate and critically evaluate and discuss scientific publications, and also summarize such material."

-There was nothing in the cource about Python programming and also nothing about discusion of scientific puplications.

So a check if the things writen in the registration task is in compliance with the course is needed.

I already added this information in AC:

Exercise 1:
I was quite surprised and a bit overwhelmed by the two exercises already due on the first course day out of which one was quite extensive. Next to that I was not sure if I could access all material: I could not find lectures 3 and 4 mentioned in the exercise sheet on the Moodle platform.

Please note: The cascadoss.eu web site mentioned in the exercise sheet seems to be offline as the project has ended.

Exercise 2.ii
I think some of the excercise instructions might relate to older versions of the software.
The lecture video mentions a link to a demonstration that is not available on Moodle (Though there are other tutorials linked there.) This is confusing. It would be nice to mention this in the description.

Exercise 2.iv
Again a demonstration video was mentioned in the lecture video that is not available on Moodle.

I really enjoyed the course, despite my busy schedule with my PhD studies.

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I was surprised by the choice of some of the tutorials. For example for QGIS: The tutorials there didn't seem to be so well done, e.g. the guy doing the tutorials didn't seem to understand how to use GIS tools correctly.

I want to add again how important it is that the teacher reads the answers. It's very demotivating to realize that they don't.

The workload of the jts module was significantly greater than the workload of all other modules. Additionally, not enough material/guidance was provided to effectively complete the exercise. It really would have helped if the lecture focused on the basics of programming and how to use the jts documentation. This module was a big struggle for me and I would not have solved it if I hadn't received additional guidance from the teacher. Compared to all other courses I've done during my masters studies, this is by far the most complicated task I've had to solve. Not because of the actual difficulty level, but because it was extremely difficult to work out how to write these java programs and interpret the documentation if you had no previous experience in programming/java.

Even that this was a difficult course for me (specially in the Client-Server and Libraries sections), because of my lack of knowledge on programming, I felt that I learned a lot regarding Open Source, and it is something that I will be using in the future.

All in all I think that this is a good course and I have learnt a lot.

The quick response from the teachers and the encouragement i got keeps me going on. I thank all the teachers. The course gives me a ground that open source software can be applied both at academic and project level projects. currently i am using Quantum GIS in my project. Thanks a lot

Interesting and lots of good hands on in this course.
Some work can be done to improve the written instruction for the exercises.

I think there is a lot of space for improvement. In many exercises students are suppose to rely on online sources instead of lectures that should explain relevant subject. Also, making java programming part of this course makes no sense if there are no such prerequisites in course description.

I like to appreciate to all team of the LUMA GIS who has given me opportunity to give me admission. I am learning so much and using my learning experience in my practical life. Also my friends requesting me that please provide the distance learning education with free. So consider my request for free education.

As mentioned in the first part, I really enjoyed the course with fairly few complaints about the amount of work load in the desktop application part. May be need to revise some of the course material to cop up with the technology advancement

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First: If it could be possible to give less importance to commercial GIS software and give more importance to open source software, our college would save a lot of money!
Second: I should congratulate the teachers in this course for their helpful comments and for their tolerance. Sometimes because of daily life activities we failed to meet the deadline of the assignments.

I found the course rewarding and will likely continue to get involved with open source in the future which I otherwise would not have done having not taken the course

What is your gender?

What is your gender?	Number of Responses
Male	25 (67.6%)
Female	12 (32.4%)
Total	37 (100.0%)
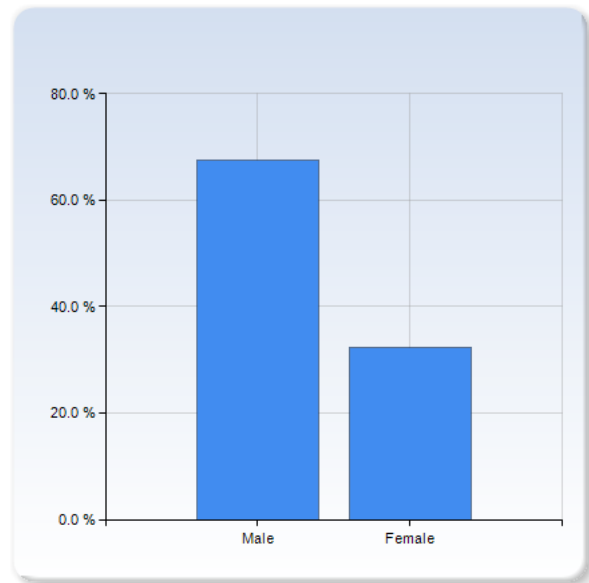
	Mean	Standard Deviation
What is your gender?	1.3	0.5

What is your age?

What is your age?
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