GISA21

What did you like most in the course? Why?

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The range of course topics. It seemed to cover all the fundamentals. I have been working in the GIS industry for over three years, but I found the comprehensive review of the basics very useful.

The freedom to try out different study methods and find which works best for me.

The time schedule. It was really good to have an exact date at when you schould hand in your exercise. And also the lecture. All credits to both the video lecture and also the text lecture. It made it easy to keep up and understand.

Difficult to say, as everything was good. But I liked the practical exercises best, because they involved problem-solving. I also enjoyed the assignments involving essay-writing (on satellite navigation and on GIS implementation)

The vareity of the exercises. I also liked that every part had both a theoretical and a prectical exercise.

I really liked the practical assignments.

That the connection between theory and practice is very good. Also that it was two teachers in the presentations that discussed the subject.

The practical exercise on fuzzy logic. I like the diverse applications fuzzy logic has and I liked most the chance to further my knowledge on the subject.

To get a better view about the practical uses of GIS. Another good thing was the fast respons from the teachers.

I like the fact that we had multiple sources of information. Sometimes it is easier for me listen to the video presentation than read through text lectures. Also, I think that the ITC Book is a great source for additional reading. It really helped me a lot in few situations. The versatility of information sources makes it suitable for different people.

The lectures (I mostly relied on the text lectures due to a slow internet connection). They were easy to follow, engaging and seemed very custom tailored to this course. I've just begun GISA22 now, and so far those text lectures seem more general and not as engaging as the ones in GISA21. Also, I never ran into problems with ArcGIS in this course, but in GISA22 I have already encountered an error that stops me from completing the first practical exercise...

I like so much the easy way of all the things were explained and how sometimes the concepts are discussed between the professors. It is a very good way to inspire to have critical thinking.

All the slides's drawings are very nice too! They make the presentations really unique.

I like the practical part. It feels good to solve real problems with knowledge you just learnt.

The thing that I liked best with the course is the balance between the theoretical and practical exercises.

I liked the layout of the course. The different parts going through different techniques in GIS. The way each part was done, with a teorethical and practical part was good as well.

Time flexibility given by the possibility to chose your study-tempo. Also video-lectures and self-tests are valid intruments because they improved the learning process by simulating real lectures.

The practical exercises 2-9. Easy to follow and interesting. It is always fun to be creativ and when you understand what you are suppose to do and it is made easy to understand if you're doing the steps right!

1. The AC platform. The way the course schedule is shown in the conversation made it really simple to keep track of when things needed to be done. The text turning green for completed assignments really gave a sense of accomplishment and progression.

2. The text lectures where easy enough to understand and never became cluttered, despite their high information density.

3. That I so frequently had to deliver written assignments. It has helped me get more comfortable with writing in english and I had to make sure I actually understood what I read.

The combination with both theoretical and practical excercises was both fun and good for understanding GIS.

I liked the course a lot!
The excercises was well developed and perferct for learning basic GIS.
To have the oppertunity to the course wherever you are and in your own "tempo", was great.

That the teachers were working even on weekends and at night. Also that the teachers were good at explaining. Kudos!

i thought the course literature/exercises (apart from a few, that were obviously not from LU) were really good and well explained

All the mathematical formulas were presented very clearly with examples, which made them easy to "digest".

I liked the combination of flexibility and relatively fixed schedule for handing in assignments - this helped keep me up to pace while still being able to manage busy periods with work, travel, holidays etc.

Why - I think as a part time online student it's easy to fall behind or maybe even drop out entirely, either if you are not keeping up with a fixed schedule and suddenly feel you are too far behind, but also if suddenly you are unable to keep up with schedule in a period of time due to work, family, travel etc. So - the flexibility as well as the suggested dates for handing in assignemnt have really helped me complete the course.

I liked how detailed the text material was for each excerise, and I also liked the videolecture and the fact that there was 2 teachers discussing etc.

I liked that my schedule was up to me so I could decide the time for work. The instructions! Even when sometimes something was wrong the instructions were specific, perfectly clear and quite easy to follow.

I like that the each course has a lecture movie that explains the lecture in detail. The feedback that we get from the instructors is very helpful. I like the self tests that are provided as well.

The most thing i liked about the course, except what i've learned about GIS, was all teachers were nice and extremely helpful.

I enjoyed the practical exercise for the Visualization lesson. I have also enjoyed the "Raster Analysis" lesson.

I liked the fact that the course was online and could be taken at different tempos. For students not wanting to do the entire master's course, but rather just this introduction module, it is perfect. For me as an international exchange student looking for classes to take, it was exceptionally easy as I could choose to do the class only in the first term of the semester or over the whole semester. I also really enjoyed the setup of the course with a theoretical and practical exercise for almost every section.

I liked almost everything. I am really happy with my first module in the GIS MSc programme. I think my favourite assignment was the last practical 12: Advanced GIS analyis because although I found it difficult it brought together lots of the skills I had learnt in the previous tasks and I felt I had a much better grasp of the software after this. I also really enjoyed the projection module, learning about the geoid and the math based parts of vector and raster analysis modules. I do not find maths particularly easy but I enjoyed learning the theory and gaining better understanding of the principles rather than just learning how to use the software.

I liked that the course involved so many different topics and I learnt so many things that I hadn't expected. I didn't think the course was going to involve so much theory but it was very interesting. I liked that I didn't have to wait very long to hear back from the teachers if I had questions or had submitted a assignment.

I liked the structure of the whole course, as well as how the theory is presented through the video lectures. The fact of seing the teachers explaining the lessons keeps the online student in closer contact with the University.

I particularly liked the flexibility in following the course. I had some technical problems related to ArcGIS, and this pushed me to be a bit delayed, but I could finally manage to finish the course thanks to the understanding of the teachers and the course coordinator.

Feedback was a key element in this course. It was fast, efficient and helpful, and teacher were willing to help if the students needed extra time or extra clarifications.

I also appreciated very much the fact of having a course coordinator always available and willing to help. It is a warranty to have a person like David Tenenbaum coordinating a course, since you know whatever happens to you is going to have a prompt and safe solution. And that keeps you confident back on track.

The pdf lectures, they are really clear and the pictures on them help a lot. But maybe it's time to renew them, cause they are from 2003 and we are in 2014.

I liked the structure of the course which covered a lot of topics and had on each topic both theoretical and practical exercises. I also liked the fact that it provided a very good overview of the geographic information systems giving the opportunity to study selected topics more in depth by having in mind the broader context.

I like the structure of the course as it gives a good first picture of the studies and keep you excited for what comes in the future.

I really appreciated the mix of theoretical and practical exercises and the fact that the answers to all the questions were actually provided in the course material.

I like that the lessons are thought by different means, lectures, videos, book chapters, interactive presentations!

I liked that it was online and so it was possible to do the course from wherever.

i liked how the course was structured, with the introduction, cartography and then gradually building up an understanding based on the different modules, good structure

It was a great and very broad introduction to ArcGIS and GIS technologies in general. I've been working as a GIS analyst for two years now and I'm a bit embarrassed to admit how many new things I learnt in this course. It really delved into raster and vector analysis, and the advanced GIS functions were quite challenging, but lots to be learnt.

The course itself was a good and balanced introduction to GIS. The best thing of the course were teachers, which provided good feedback for the exercises.

Enjoyed it as it provided a range of study material that catered for different users. The interactive presentations also were very good.

Comprehensive structrure for the modules. It was easy to follow the routine of theoretical and practical studies. This made it easier to focus on what you were suppose to learn.

I liked the video lectures which gave you a good understanding for how GIS work. The text lectures gave you a good overview but the video lectures gave you a deeper understanding about the concepts. I also liked the selftest at each chapter. I also liked the idea of having both a practical and a theoretical part of each chapter, which gave you a broader knowledge. The teachers always tried to help you and they answered quite soon after you had submitted your question, good!

I have been working with GIS for several years now at my workplace, and it was good to go over the basics again.

Practical exercises with detail description of the assignment, in that way it gets easier to navigate and work in arcmap.

The practical issue to be solved. Gave inspiration and creativity but were also difficult sometimes.

I thought the structure of the course was great. To go from the lecture to theoretical exercises then finally to practicals really helped to consolidate learning. The lectures themselves were particularly enjoyable. The informal discussion format between Petter and Ulrik works really well. They're extremely knowledgeable (pretty funny too at times :)). As a result, I feel I've learnt a great deal in the eight weeks of the course.

I've really appreciated the cutting up of the different modules and the fact that we have each time miscellaneous 'module-courses' (lecture, video lecture, selftest, interactive,…). I also very much appreciate the 'real-world' based practical exercise.

I liked that most of the practical assignments had connections with reality. I also liked the theoretical presentations, they were pretty.

I did like the way the course was structured with 2-4 tasks a week and both theoretical and practical assignments.

I think the most part of the course was good and interesting, but the later and more advanced course modules (as 8-12) were extra difficult and the most rewarding.

I did mostly like the video lectures that where very helpful and clear! also did like the high tempo in the assigments, that made me keep up with the study tempo as an distant student!

The simple and clear structure with modules including lectures and exercises. I believe it is good to keep it simple since the course is entirely web-based.

I liked that it was very practical, compared to normal university courses that are more theoretical.

The staff were really friendly and helpful!

The flexibility of being able to do the assignments where ever I am because it gives me the oppurtunity to be unbound in where I live.

The fact that it covers important basics in how to use GIS, which is very usable and demanded in my future field of work. Actually it will come of use in work already this summer. The adaptability of the course, making it possible to study when you have time. And the fast feedback from teachers which is really impressive. I thik my exam was graded after half an hour or so which I am greatful for.

I liked the text lectures and exercises of introduction to GIS, cartography and map projections, vector structure, vector analysis, data capture, visualization, implementation of GIS. This is because I found the information very well written and understandable. The extra artikle or master thesis by Weichi Xiong was a very good combination with the text lecture and exercise about interpolation.

Practical exercises were well described and easy to follow.

Drawings in the presentations were funny and descriptive. I used mainly the presentations not videos, it kept the learning alive and more personal.

Doing the practical assignments and small projects was a lot of fun, some of the more advanced assignments took a lot of time and trial and error to complete, but you really do learn valuable stuff.

The flexibility. I found it to be a very good course. I have worked a lot with GIS, but still the course was very good.

I liked that the exercises described how to perform different actions in GIS and that you needed to apply the same action in a similar way that was not described. Then you really had to think and analyze what you were doing and I felt I learned a lot from that. I also felt that the content of the course was very significant to get a grasp of GIS.

The course offered a good review of GIS material and processes. Most of the material wasn't new to me, but it still was a good review, since I'm rarely using some of the processes in my field of work. I also liked that I received quick responses from the teacher or one of the TA's when I submitted a question to them.

The practical exercises were really good. The are made in a way that you have to understand completely what your are doing otherwise you get stuck. I also think that the lecture movies gave a lot, especially when trying to find answers to the theoretical questions.

I liked several things in the course. I think the structure of the course was very well organized and it was very easy to navigate in the course system's. I also liked the mix of both theoretical and practical exercises. I think that this course as a whole, was very good!

The presentations were really good in combination with the .pdf. The disposition was good, and the exercises were very clear and easy to follow.

To combine theoretical and practical exercise is always good. We can apply directly what we just learned.

Lectures were cleared as well as exercise descriptions.

I think the course had a good structure with both practical exercises and theoretical background and good literature. The GIS courses I have done before this one, were more practical and the underlying understanding was missing.

The written project were also a benefit, to get out in "the real world". It opened up my eyes to understand that even though the analysis and tools in GIS is important, it's kind of a small part in the everyday work with GIS.

The basic level, everything is explained well. Even for long time GIS users its good to get the basics right

I liked that the system where you use one theoretical and one practical exercise per module. This gives a good understanding for each module. I also liked the text lectures which was pedagogic and useful. It was good if you dont have time to watch the video lectures.

Most of all in this course I like: video lectures, fast replies from teachers and literature.

What I liked most was how thorough and responsive the teachers were with everything concerning the assignments. They all excelled and helped me to learn. I would like to mention especially the longer text assignments: the teacher read all of them and gave me great suggestions to cut them down and make them better (thank you!). Also the course coordinator solved my doubts about the organizationas of the course. They were all very helpful.

Also the course materials and the exercises were well thought out, well designed and interesting. I noticed a progression for the students that would be new to GIS, with easy first assignments. However, I had the feeling that in most, or all the modules there was something appealing and interesting even for very seasoned GIS professionals, and there was room for experimentation and trying things out in different ways.

I liked many of the examples used in the course because they were largely based on real-world problems and therefore easier to understand.

It is a very good division between theory and practical questions. The practical questions have also been excellent, often dealing with real life problems which give you a view of how GIS can be used.

I really liked the flexibility of the course. This was a really hectic year for me and my first year being a student again. I really appreciated that I could take longer to get things done, so I could actually learn the material and not just try to get the assignment done in time.

The practical exercises was through and nice.

I really liked the video lectures because it was easier to follow the lectures.

The highlight of the course is the flexibility it offers. I found the online tools, moodle and ac, perfect for handling the course. The assignments are of high quality and are designed in way that we end up digging deep into the subject.The communication between the coordinators and the other tutors has been good and quick

I felt that the practical exercises were both very enjoyable but also very useful to fully understand the concepts taught in the course. The theoretical exercises were useful however of very varying difficulty, some of them were extremely easy and some of them required a lot more work. Also I enjoyed the two essay exercises however it would have been good if they somehow were not just positioned as a "theory exercise" within one of the sections, as to do them properly took a lot more than one week.

the interactive presentations and the selftests. because they made me understand the whole thing much better.

I liked the video lectures very much, for me it is much easier to aquire information by this method. And I liked the conversation with the teachers regarding the themes, always very usefull and comprehensive.

The colorful slides made the information-filled slides easier to follow.

I liked most the fact that the exercises were well explained. They were easy to follow and quite clear in their requests.

The wide variation in subjects and the combination of exercises and lectures. It is a good balance.

The whole structure is quite thorough and most (especially the first half) of the instructions of modules are very detailed.

The whole structure is quite thorough. Most of the instructions are very detailed.

I liked most the way the course was presented in the lecture slides: they were very precise and not too theoretical, they contained just exactly the amount of information necessary to get the concept. Also the way the modules developed, from the intoductory ones to the more advanced, it was easy to gradually understand more advanced concepts.

The video lessons. They were pedagogical and understandable. I liked the step by step explanations and the pictures.

i also liked that you could submit your assignments whenever you wanted.

I really enjoyed having so many exercises regularly. It really gets you to process each module at a time and instantly connect the practice to the theories.

Freedom to study at my own tempo according to my workload in other areas. I was able to hand in some assignments early when I knew I would have a busy period.

What did you like least in the course? Why?

What did you like least in the course? Why?

The lectures and exercises were sometimes written in English that was difficult to follow.

On a few occasions, a brief, somewhat open-ended/vague question demanded a very precise answer. Two example I can think of are:
- Theoretical Exercise Question 12.7: From the cost surface below, estimate the cheapest costs as well as the paths to all cells cell from the lower left cell.
- Practical Exercise Question 10.9: Which of the three resolutions give the best result? Explain why?

Occasionally words are defined in arbitrary ways: eg, the difference between 'preparation' and 'planning'.

The last exercise before the exam. It's absurb to write a report of 4 A4 pages about GIS. If you will have it, dont put it in the last exercise before the exam. It will definitely take the energy out of people before the exam.

Difficult to say, as everything was good. But I found some of the first practical exercises to have too detailed instructions (making the solving process unnecessarily easy).

My own performance.

The theoretical questions when you were supposed to write down how you would do a certain analysis (vector or raster). I think you should provide data and let the student choose what kind of analysis they would use and write down what they do. I think it is better to do it practical then theoretical. It gets to abstract when it should not.

Another thing when you were supposed to explain a question briefly and I did that and then get an answer that I should explain it thoroughly. But I had all the important fact in my first answer. So that was confusing.

Another thing if you have understood a question in your way and you submit the answer. Then I got an arrogant answer back from the teacher that I understood the question wrong. But maybe the teacher did not mean to answer it like that. But since we are "talking" to each other by writing it is important to think of what you write.

I think that you can run exercise 13 (Implementation of GIS) and the exam parallel so you don't have to wait so long to do the exam if the correction of exercise 13 takes some time.

I don't have something specific to point out. There wasn't something that I did not like.

At the beginning of the course there are some materials that I think are a little outdated. From what I recall, certain practical exercises are not adapted for ArcGis 10.0. I found it difficult in 1-2 cases to follow the instructions because some of things were not the same in software as it was in instructions. It took me a while to figure that out by myself but it is not such a big deal. Maybe there could be just one sentence added in terms of how you find that feature in ArcGis 10. It is just a suggestion. Another small suggestion is the volume of the videos, maybe they could be rendered a little louder. I had to use headphones and max the volume to be able to hear it properly on my laptop. If it is not too much trouble maybe this could be fixed.

The platform was a bit confusing at first, with so many logins - STIL, Moodle and AC. After I got used to it it's ok though, but it was very stressful the first day when the registration task was due so quickly and things didn't work! Also I didn't really enjoy the report/project exercises, because I had a hard time coming up with enough text...

The course interface is quite old and the interaction with the fellow students in quite difficult. You can check other platforms, such as coursera, to see new innovative styles.

I can't think of any.

The thing that I liked least with the course was that some of the question was diffusely formulated so it was hard to understand exactly what you asking about. But often you quite quick explained what you asked about with the questions.

I think that the teorethical questions could be "smaller" and that you got bigger practical assignments in the GIS program instead. More time in the GIS program might be better. Although of curse its up to each one how much the want to explore the program.

I didn´t like the formulation of some teacher answers and how sometimes do they give student knowledge for granted, especially when encountering errors of technical nature. It happened once that I came into troubles with a raster operation and even though I contacted the technical department nobody didn´t provide me with an explanation that was more understandable than that in the arcGis help. I solved the problem once I met the course coordinator, which was close where I studied. Off course, I imagine that this could not be possible If I lived really far away.

the first lessons was silly. If you are a university student you probably know how to copy and paste a file. It is not 2001 anymore. And while the video lessons from 2001 - 2003 gave me a lot of good laughs it might be time to update some of them. some of them very still ok though.

The last three modules were terrible. Not educational at all. Bad structure and hard to follow. You were not given any indications on whether you did the last step right or not, which might result in you continuing the excercise with the wrong data. In an online course it is very important that the documents is easy to follow.

1. I strongly question the pedagogic winnings of requiring every question of an assignment to be 100% right, before marking an assigment as passed. Sure it keeps you from getting sloppy and avoiding hard questions, but it was also very disheartening to be told that something that I had struggled with and put effort into wasn't good enough because of a minor error or mistake.

2. The big step upwards in difficulty that happened around module 10. I'm real proud that I managed to complete the later modules, but maybe a course this difficult should have higher requirements than "grundläggande behörighet"?

3. Teacher response was quick enough when I sent in assigments to get them corrected, but when I needed help understanding something, answers took way too long.

I think most of the excercises in this course was great but maybe the interpolation excercise was a bit badly explained, because I remember that excercise took alot of time just to try to understand what sometimes meant in the text.

That it was not possible to "chat" with teachers, instead it might take days to get an answer.

It was sometimes very hard to understand what the questions were about. Ritten in a very complicated way.

practical exercise 12. the other exercises were very well structured (with a step-to-step explanation of what the student should do) - but i found myself being completely lost in practical 12.

I felt like sometimes in the video lectures there was too much rambling and the explanations very a little slow.

I liked all of the course activities, but one issue I had was:

- In some of the most complicated practical exercises it's easy to make a small mistake - this happened for me I think two times, and I had to redo the exercise - of course, no problem. But I would have liked to have some correct numbers (just as a checksum) for some of the calculations to help me make the corrections without having to go through each and every detail of the calculations again.

When you got stuck on an excerise you e-mailed a teacher for help. But most of the time you got answers the next day. And I know that we are suppose to get answers withing 2 working days but when you really are stuck in an excerise you need help immdeiately...

Sometimes it was hard with motivation and I didn't like that even when I was late with the task the only thing I received was the red marking. Maybe it would be better if we could receive sort of "reminders" comments or specific (harsher) requirements. Sometimes it was difficult to follow because the things from the course where rather about mathematics not specifically related to GIS.

some times it takes time to get an answer from the instructors sooner.

For me the biggest prolbem was when i studied part 10. Interpolation and part 12. Advanced GIS Analysis, for me those two were the most difficult exercises during the whole course period, but the PDF lectures for those two didn't expain that much, not enough information, for example in practical exercise 12, we need to use Conditional Statement to calculate fuzzy membership values, but in the PDF lecture, there's no explaination about the Conditional Statement, this was a bit hard for me since i'm new to GIS (i got the help from the teacher and yes, actually the Conditional Statement for the practical exercise 12 was not that hard, but still...).

So i think it would be better with more detailed PDF lectures, this is an online course, which means we cannot ask questions directly to the teachers, but with a better lecture ducument i think we both can save some times.

For the "Cartography and Map Projections" lesson, I would have liked to have more information regarding each type of projection and the differences between them. At the same time, I was forced to do some personal research about each projection and I ended up learning a lot of additional information, so I would not consider this a bad thing about the lesson but like I said, a bit more information would be appreciated.

One small aspect that I didn't like too much was the lack of instruction on some exercises. Practical exercise 10 was a real hard exercise for me as it took over a week for me to complete while working on it everyday. I'm still not sure if it was a mistake I made or a mistake in the instructions, but when trying to create the raster with the land areas including the islands and then also the water bodies I could never perform the calculation right. It turned out, my water body raster layer only had values (and NoData) for the water bodies and the islands. And when doing any logical or mathematical operation with the land area raster, the result would only cover the area of water and islands. Once I finally figured out while it was not calculating, I had to recreate the water body raster layer to have values for the entire study. Also, there was a problem in the beginning with spline interpolation which kept giving me the 'failed to execute' error. I ended up solving the problem by setting the processing extent under environments, to "Same as layer" and selecting a previously interpolated layer. From what I understand, several students had this issue and could have been resolved this way as well. Maybe this should be put into the exercise instructions.

My least favourite part of the course was the report on GPS. I could not get enthused by the internet research subject matter. I also found the last assignment : Implementation in GIS quite difficult as none of the situations applied to me and I did not realise such a large task was required. But this was my own fault for not reading all of the assignemnts at the beginning of the course, and I would have realised this from the start if I had. It was good for me to have to do all of the research into my subject area though.

Sometimes the questions were very vague and it was hard to know what sort of answer was required.

I liked everything in the course. If I had to name something, I would say that in activities 10 and 12, some steps to perform the practical exercises could have been further explained. Since the other exercises in the course were very well structured and explained, from my opinion, 10 and 12 lacked a bit of more guide for the student. Seeing the good side of this, I could say that I had to concentrate a lot more while doing these exercises (I even had to repeat exercise 10 completely twice), so I learned a lot more.

Some critical teachers that didnt give you the exercise as green when the exercise was already pretty well done, and of course weeks that someone of them have taken to correct just two aparts of one exercise.

I found the schedule of deadlines slightly out of balance for me. I don't remember specific examples but my general impression is that the first exercises that were rather simpler had more time between deadlines. Whereas exercises that were more complicated, or the material covered gave incentive for further reading, had shorter deadlines.

At some points during the practical excercises I felt like fallowing steps but nor really been aware of what I am doing. I don't mean I didn't like the practical part, but I felt there should be more explenation why we do what we are doing.

Sometimes I got stuck and had to wait for several days to receive an answer from the staff members.

I think for some of the exercises is not completely clear why are we doing things... sometimes i found myself following steps without realizing the mean of it...

I understand that different people were assigned to different sections in the course for making corrections in order to make things easier but I felt that sometimes this led to inconsistencies, especially in how much help or pointers you got when struggling with a question. Some teachers were very helpful and precise in what they were looking for while others took a long time to respond or were unclear about what needed to be fixed.
Specifically, it was a bit strange how in the beginning it was encouraged to be on time with the assignments but when it came down to it at the end, I ended up waiting for responses to corrections to the point that it affected at what point I could take the exam and this was a frustrating experience.

that as much focus was placed on implementation, and that the last assignment was an essay based on that. would have liked another type of exercise or project which was based on combining the knowledge from previous modules, to present some type of advanced analysis performed more independently than module 12.

This is the first distance-based course I do, and it was a bit hard not to have direct communication with other colleagues (the forums are not particularly active, from experience). But it'll take some getting used to, the course content was great.

Some exercises were too difficult according to the requirements for attending the course. After module 9, things became extremly hard.

Struggled with a module (12) - course material wasn't well explained, and working out particular formulas weren't as easy as they appeared. More material should be provided.

Somewhat uneven work load for different modules which made planning a bit difficult.

In someway it was hard to study GIS as a distance course because if you get stuck it is really frustrating and it is hard to get help through mail. This gives an extra pressure on independent work and a task takes probably more time to solve in comparison to a non-distance course. it isn't always easy to describe you problem thorugh messages.

This has nothing to do with the course content, however I will say that, especially in the final exam, I had great difficulty, as a native english speaker, understanding the questions. I feel that often ambiguous terms were used with many meanings and it could have been interpreted different ways. It probably would have been easier if I just knew the word in the course context, but as I didn't, I struggled!

The selftest questions could be better.

Some questions in the exercises hade very precise answers that was really hard to find anywhere. These questions also seemed irrelevant most of the time.

Honstly if there was something I didn't like about the course, I would say. I can't however find fault with GISA21 at all. I went from knowing very little about GIS eight weeks ago, to now feeling I have a solid foundation with which to progress on the course and hopefully a career in GIS. As such the course was a huge success for me.

Sometimes we are stopped in our work not knowing if it is a technical problem or not. In these cases it should be good to have a more quick contact with someone who could help us... or just tell us if we ae on tracks or completely out.

I didn't like the fact that the course planning was impossible to follow and that the exam was impossible to take the day it was due. I think that the theoretical exercise 13 should be due a couple of days before the exam so that you have plenty of time to correct it.

Also I had some problems with the software and it sometimes the practical instructions were to vague. When I then encountered a problem it was really hard to get help. I wrote to the teachers but it took almost a week to get a response and that was only after I reminded the teacher. Then the help wasn't really helpful anyways. Maybe an online chat with the teachers once or twice a week so that we can get better help? Maybe a News window in moodle with FAQ?

I think last past of the course and the timeplan before the exam was really bad. If it says in the courseplan that we have a exam on the 20, then the students plan around it. I can understand that you want all the assigments cleared before we do the exam but then it is really stupid to have a 4-7 page paper as the last assignment, even I can understand you cant look att all the papers in less then one day...

And since you´ve stated earlier in the course that it is pointless to hand in assignmets early since you wont be reading them anyway, nobody will do that on the last assigment either, hence you will have to much too do in too little time before the exam. you have to change the courseplan here!!

And I also think that the level of difficulty skyrockeded with the last three or four assigments, the assignments went from hard but pedagogical to "what the hell am I doing here??"

The first part of the course, and the last exercise. The first part was too easy. If you have no computer experience maybe it could be a part of a preparatory course for students who want to join this course, I was thinking during the exercise 12 that if I had very little computer experience I would not be able to solve that one. The last exercise was (at least from my perspective) kind of "out of date". If the implementation was done over 15 years ago I think it is not so interesting to investigate. Maybe a fifth perspective could be added to the exercise which is focusing on the "future of GIS" and how it is used now and for what.

some of the practical exercises I felt did not at all match the theoretical lectures and where therefor hard to solve. interesting, but hard. maybe the theoretical exercises should be more developed to focus on the practical ones as well. especially module 10 and 12.

The difficulty to get in contact with directors and/or teachers by phone for urgent questions even during "office hours". It would be good to have someone available for direct assistance since, as a student, you are rather stuck if you encounter for example technical problems.

Some more feedback on the exercises and the exam could also be useful. Not just a message like "you passed the exam".

Module 12 was unproportionally difficult, I think it didn't fit the course level

The instructions for revising incorrect assigmnments given by the teachers should be more thourough and precise in order to save time spent on making several corrections per assignment.

The extensive theoretical part. Theory is absolutely important. Writing down how you are practically should do something however feels a bit unuseful and unnecessary. I had rather had more practical exercises. Maybe which alowed me to figure out how to solve simple tasks.

I did not dislike any part of the course but some practicals as interpolation, databases and advanced GIS analysis, were a bit trickier to work with than they should have been. The one that can be improved the most is the practical for databases and it is the last part in the instructions that could need a bit more information.

It felt that some of the course material was bit old, update would be welcomed.

Some of the theoretical questions were perhaps a bit to vague or strangely worded, but nothing to difficult to understand.

I really think it was a good course, and I don't have anything I didn't like. Maybe some of the formulas could have been explained a bit better, especially the last couple of lectures.

Sometimes when I got stuck in an exercise I didn't know whom to contact. Instead if contacting I was just sitting and trying not getting anywhere.

there was nothing in the course for me to point out that i particularly didn't like.

The lectures and exercises of databases were not explaining enough for med to understand. I need more facts and information to be able to solve things my self. Just searching and reading in arc GIS help doesn't give very much knowledge. The information was very poor.

When writing smaller reports of a few pages, I really don't understand the idea of having to write a method. I always end up writing to be able to answers the questions I will use the study material etc... I do understand the point of start to think of methodology, in cause of the coming thesis, but not in this way. I feel it doesn't really connect to reality with the work of writing for a master exam and neither what methodology really is.

Hm, I dont know. I think the most of the content in the course was very good.

I actually found all modules interesting. Some of the material was on a very basic level, but to some this is required.

Time between exercises did not always reflect the time required to do the assignment, in particular for the two reports to write which demand more time for interviews ...

I think it´s a bit difficult to study on distance, I prefer an exchange with teachers and other students.

Sometimes the replies of the supervisors where not helpfull. Maybe its a good thing to make a FAQ of the questions asked every year in the forum. Sometimes the forum was not that active.

If you tried one or two times you will get the FAQ from past years from your supervisor.

The "skill jump" after exercise 9. I experienced a large gap between exercise 9 and 10 where the time required increases significantly. The instructions on the end exercises are quite scarce and sometimes it can be frustrating when you get stuck. It can be especially hard if you are going with the 25% or 50% tempo since there can be a lot of time between the days you are using GIS.

Sometimes when I got stuck when I had searched the course forum, Internet and teachers for help and still was stuck, it was a hard time.

I think you should try to spread out the work load of the course more evenly so that not all the heavy exercises comes at the end of the course.

Even though I like literature, I thik it is too much `theory` and too litle practical studies. I think it would be more fun and more easy to understand the whole GIS courses if we had more literature about real life GIS experience. I thik we should read more studies like, GIS implementation in Sri Lanka or Radon level maping in Scania.

First of all, this was the first course for me in the iGEON program. I was waiting for weeks after I was notified that I had been accepted in the program. Then one Friday I received a warning that the course would start next Monday, and on Monday I read that I would have to send the first task urgently. I would have been glad if there would have been an earlier warning, at least a week in advance. I might have been travelling and unable to send in the first task.

Also, sometimes I had doubts or questions that I would have liked to pose to the teachers. However, I did not feel encouraged to do so. The AC system seemed oriented to evaluating the tasks and solving administrative problems (which it did very effectively). I see that the class forum might have been a place for sharing doubts, but it was not very lively, at least this year.

I found the modules to be uneven in their quality and difficulty.

The last excercise which was quite difficult and it was difficult to know how to get help. Tried to use the Forum but did not get any reply. However, then I got some very good help from the teachers. It was not clear from the beginning how much help you get expect directly from the teachers.

I was not really sure how to access the additional reading. I did not really have time to read anything extra than the lecture, the ITC Book and any mandatory material. I am wondering what I missed out on by not finding the additional reading.

Lack of direct contact with teachers.

I would have liked the new information and algorithms were better explained. And here I would have liked more examples, maybe different in the text and video lectures.And sometimes it was difficult to understand questions from assignments...and this was annoying since I spent so much time trying to understand what do they mean by that question.

Some of the materials are quite old (some video lessons) and may be it is time to change some of them. The number of assignments to be done for the course is high. Some assignments were difficult to crack.

I felt that some of the self-tests were rather tedious and some needed error checking (multiple answers that were the same and/or mistakes in the formulation). I felt that there could be more in-depth discussion on interpolation, both with regards to having more literature explaining the variables involved as well as the theoretical concepts. I felt that the theory questions of the interpolation section covered concepts which I didn't feel was there in the literature/videos.

The computer introduction seems antiquated and unnecessary.

the help that I recived and the instructions. the teachers did not seem that engaged in explaining things, either i got the answere for the question I was suppose to answer, which did not help me understand the question more or help me with understanding the software. Or I was told to "read some more".

you have a file that does not work with the new version of arcGIS. you should remove it or make some comment about it in the assignement.

i would never have been able to finish this course without help from friends who already took it. they explained and showed me so that I could learn and answere. this should be the job of your teachers.

it is very enying when the PDFs are not in order. some text has a line right through it which i think is suppose to be under it. this is confusing since a line under text means that it´s extra important but a line over text means that it does not apply. you should really look over the course material.

I think that the exercise for the 12 theme was way more complicated than all the others, like a upper level.

Sometimes the tutorial were not clean (and some of them even have mistakes): they do not specified properly which file names to use, and follow them was difficult when I was no sure about what files use in every step. Sometimes an initial layer thet you provided was not correct. Both thing caused to me WASTING LOTS OF TIME and frustration.
In the tutorial you usually indicate why parameters to select when doing a operation, for instance. I would like to know WHY we are selecting these parameters. I think it could be explained better in the tutorials.

Some exercises that were too deep in details. In these cases, instead of learning general concepts and tools, we feel like we're following guidelines.
The two exercises that ask an essay instead of giving us practical work.
Writing an essay about GIS and GPS tools is not efficient in teaching us anything, in my opinion. Practicing the program itself should take priority. Writing reports or essays is already sufficiently present in all other courses taken at the university.

I had trouble understanding the grading of the exercises. Confronting with my fellow classmates on this, we found that there was some discrepancy on what was required and how we were supposed to perform the tasks given.

It feels a bit scattered, same thing is discussed in different modules and not in a "repetitive" way, more like there is no connection between modules.

In some modules, it is really noticeble that the lectures are recorded like 10-14 years ago. Specially in module 1, where they talk a lot of cd-rom and structure in windows. Feels a bit obsolete. And also the talk about "this is new from before". But "before" is ArcView 3.1 and I doubt there is a lot of people taking this course that are having experience of ArcView 3.1, that have never been in touch with later versions.

1)Module 11 uses another text lecture from another source which I personally think is not so clear and learner-friendly.
2)The theoretical exercise of the last module which took me one whole day to write that report. And I think it is very good but I just got a "pass". I don't really see the point of writing this report.
3)The workload of different modules is distributed unevenly. For example, I think the practical exercise of module 12 is too much to finish at a time. But if you choose to do it in two days or more it will affect the continuity of studying. So I suggest that it should be made into two smaller exercises.

1) The text lecture of module 11. I personally think it is not learner-friendly and a bit tedious.
2) The exercise of the last module. I spent one whole day to write that report. And I think it's pretty good. But I just got a "pass". So I don't see the point of doing this. It can neither show my ability in academic writing in GIS nor bring me new perspectives other than reading related materials.
3) The practical exercise of module 12 is too much to finish at a time. If you do it in two days or more it will kinda affect the studying quality. I suggest that it should be made into two smaller exercises.

Some of the markers of the exercises did not give any feedback at all when the exercise was not correct, they would just say 'question X is wrong', which did not help at all. On the contrary, some teachers gave some hints as to what was wrong and how to correct it. I had many problems especially with module 10 Interpolation, since I had ranked wrongly the interpolation methods, and so all my maps were wrong. It was almost after 3 weeks that another teacher realised that my answer regarding the ranking of methods was wrong, while the initial marker did not spot the mistake and only told me that the map was wrong, without explaining why.

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I can not think of anything that I did not like.

Lack of physical contact with lecturers/students. Inability to get support easily.

What was missing in the course? Why?

What was missing in the course? Why?

I'd have appreciated a little more information about Moran's I. Perhaps because my mathematics has become somewhat lapsed I found the notes didn't really explain to me when to use it and what it showed. Wikipedia had a great and simple 'chessboard' graphic which explained a lot but the internet generally didn't have a lot of useful information on the topic and I still feel pretty confused about it.

I dont know

More interaction with other students. I didn't use any of the forums, though, so I don't know if I missed something here.
It might also have been nice with a small project to be carried out in a group.
A comprehensive coursebook covering the essential theoretical content of the course would also have been nice.

Nothing.

I think it should be more practical examples and assignments.

Nothing, it was very good.

There are some parts of the course that are unclear, especially in practical exercises. An example would be with with fuzzy logic formulas' excel charts, where there is no explanation on how to create them. While there are many ways, for example create a series of numbers within the given interval and then calculate the solution for each one, it would be better if there was some more explanation.

I do not think that anything was missing. This was an introduction course that covered all the aspects of GIS and it was well designed.
It would have been fun with some "field work", using a smartphone with GPS to survey the surroundings for example. However, since not all people have access to one, there should be an alternative to use existing data as well.

Almost nothing... I am very please with the syllabus.

We didn't learn how to study remote sensing pictures.

I don't feel that anything special was missing in the course.

I think what was missing was at least one bigger practical question where you have to do "everything" by yourself. Now almost every question included steps and you didn´t really have to think what operations you would have to do.

A full simplified list of software errors which is suitable for beginners. The explanations given in the arcGis help tool are too detailed such as those showing up when syntax errors are encountered in raster calculator.

I would appreciate a chat or some good solution to make it easy to contact. An easier access to the forum. Maybe a new thread for each class /year. Especially if you are in a different time zone I felt I was hard to ask for help. Could be days before I got an answer.

But if the exercise documents are well written problems rarely occur. Like I said, 1-9 was really good.

Can't think of anything.

I don't know, because it felt that I got a good basic overwiev over GIS.

Maybe a bit more basic instructions about the tool we used.
Like a "tool" section. and an error section in order to solve problem easier.

It was hard to find how to get in touch with the teachers. Better instructions where missing.

nothing i guess.

feedback on the exam - which questions are answered correctly, and which aren't? also, it would be nice if this course could be a fail-pass-pass with distinction course

I can't think of any particular area that we had missed. It was a good overview of the subject.

I didn't really miss anything, I was very impressed with the course content.

I didnt feel that anything was missing in this course, everything was good basically.

More information about cartography background.

I pretty much find everything good and i do not think the course has missed anything.

1. As i mentioned before, better lectures for 10. Interpolation and 12. Advanced GIS Analysis.

2. From part 1. Introduction to part 9. Visualization, all exercises were quite easy, but suddently, part 10. Interpolation became much harder, then 11. Databases was easy and again, part 12. Advanced GIS Analysis became much harder then any parts of the course. Weird tempo for the course.

3. I wish there were more courses about the advanced GIS analysis.

I think that there should have been at least one more exercise like the practical one for the "Visualization" lesson. I really enjoyed creating the maps and I think that there should be a few more exercises where you have the data available and what the result should look like but choosing the way to reach that result would be chosen by each student and let their imagination run free and use whatever methods they see fit.
Also, I feel that some of the questions from the exercises were a bit too vague and I have found myself in a couple of situations where I had provided just a part of the answer to the teacher and he had to let me know that I had to provide additional information, but I don't think that was a major problem.

I think the course covered everything that is necessary for an introduction to GIS. The only possible thing that was missing was maybe an assessment of the practical aspects learned in the course. This would be hard to have in the exam, however, maybe some it would be possible for a couple of the practical exercises to count for the grade from the examination.

I am still unsure of where to get shapefiles for eg countries in order to use as a basis for a project. IT would be good if this was included. Where is good to get free files? WHat is there online? Or what permissions do you have to get to use certain shapefiles?

I don´t consider anything was missing in the course. I am afraid this course has set the bar too high.

Maybe taks groups, I dont know but in the other courses "remote sensing" and "NRM" we have task groups and when you have to work in team-work you are more motivated and all together is a good chance to respect all the deadlines (cause you have that group pressure that makes you go day by day).

I cannot think of anything missing in the course. I was very satisfactory indeed.

I would like some more video material. It feels very hard to read long pdf files.

It would be great to include some more pictures in the practical exercises to show how the output should look like in ArcGIS after several steps.

I dont think anything was missing

Some consistency with the grading, as in, with the help offered when the assignment was not correct.

se answer above - would have been good to try to perform an analysis based on independently performed field study, or data collection.

I didn't think anything was missing, there were many modules that covered a lot of material throughout. It was good that each module built on the previous one and thus it didn't abandon the previous knowledge. Very complete course.

Nothing, since the course was an introduction course.

More examples - break down of working out formula equations.

There could be a minor project excercise at the end of the course, focusing on the creative aspect of finding out how to achiev a specific goal.

I would appreciate a practical task that took you through a work from sampling collecting to a finished map with your sampling points and attribute data, how do you go from values in excel to values in GIS and how do you transfer coordinates from a GPS to the illustration on a map.

A bit more practical information about ArcGIS (shapefiles vs feature classes, geodatabases, etc). I understand people may use many different GIS software, however most people use ArcGIS or at least need to be very familiar with it!

Could have been more background reading - especially in a distance course, if you don't undertand something the way it is written you need alternative resources to go to.

-

A gradually decrease in description details in the practical exercises. 1-9 had very extended details while the last three were not very detailed.

It's difficult to think of anything that was missing. As an introductory course, the goal is to 'introduce', therefore there's only so much that can be covered. The only thing I can think of, is in addition to the registration task on the first day, of inviting (even forcing) everyone on the course to introduce themselves on the forum. Just a little bit about who they are, where they are, what they hope to get out of the program etc. A forum on a distance degree like this is potentially a fantastic resource, a brief introduction task may encourage more people to use it.

I should have appreciated to have a model with the correct answers for the different exercises.

Maybe an online chat with the teachers once or twice a week so that we can get better help? Maybe a News window in moodle with FAQ? (see above)

Sometimes some more background information.

I would have appreciated a slightly better explanation of the mathematical formulas that were use of in eg module 12. Also there had been good and interesting to have more of the SQL language and how the expressions are written.

didnt actually think anything was missing.

An available phone contact and feedback as described above.

For me, I'd like to know more about how to involve code in the application. But I guess it is taught in more advanced couses

Perhaps some more preparation in terms of making sure provided data files correspond to the version of ArcGIS we students are currently using. I think it was the practical in the seventh module that was like that.

See above. More playing with the program and thinking on your own. It doesn't have to be difficult tasks, but common things that you are likely to use so that it gets stuck in your brainstem and feel familiar next time your'e in front of it.

I do not think that there is something missing in the course in general. It is an introduction course and I feel that I have been given a lot more information to learn than I have expected. There are 13 chapters and each of them vary a lot and you get to learn a great deal during the practical and theoretical exercises.

I was missing more disscusion on other program options for GIS. A brief introduction to the main commercial and open source applications would be good.

During the last 10 years application of GIS have developed greatly. It would be good to have more up-to-date information on this.

Perhaps more practical exercises, to get a deeper knowledge and familiarity of working with the software.

I didn't miss anything

I didn't feel that anything was missing. I feel like I have learnt the basics of GIS. Maybe the only thing is a bit more critical thinking when evaluating the results.

I think the course was a pretty well structured package that included a lot of good information with each module, and I can't think of anything that was missing or should have been included.

I would like to have some possibility to book time to chat to the teachers. When studying part time, with fulltime work and two small children at home, it´s hard to find room for study time. Sometimes, when I have been in need of support, and waiting for a response over email, and sometime the answer just gave another question I have lost a lot of time and falling behind. This is not a critique of the support itself, just the only way to communicate over email.

I dont think that anything was missing in this course.

More about databases could be interesting.

As an introduction course, I think it did its role. There is of course so much more to learn about GIS but base are presented and discusses in the material.

Maybe an overall of GIS program can be added with a comparison advantages/inconvenient (price, limitation, connection to script language ...)

I think the course is a good and wide introduction course, didn't miss anything and it held a good level.

A better and quicker help platform

I would have liked more of practical exercises of different funtions of the GIS software, and not so much of the technical mechanics behind the program. As it is now, it feels like that you learn a lot of things that you have no use for e.g. how the calculations are carried out and different mathematical features.

I would say implement more practical exercises on different types of maps and also continuosly repeat the things you learn in the start of the course over the whole course to really learn them.

Nothing is mising in the course.

More interaction with the teachers, answering questions appart from those directly related to the assignments.

Appart from that, I found the course fairly complete. A bit more explanations about all the parameters used in the interpolation tools, maybe, but this can be left for a later, more specialized course.

Mor important would be a bit more emphasis on batch tools (they were useful in some of the assignments, like that of module 12, but I guess many students did not notice that they could have saved time this way).

Also a little primer on the possibilities of automatization (scripting with Python). Even if it is only the very basics.

There should be more input from teachers in the forums to help students with questions.

I did not miss anything in particular.

I am wondering if a webinar type, interactive lecture would be nice to start the course with. I liked having the video lectures to pause and review and obviously everyone is going at a different pace. But it would have been a good introduction ot the course to see or hear the course coordinator or some of the teachers. It would have made the email exchanges more personal. I understand this would be a bit challenging to organize.

ability to chat live with the instructors on prescheduled time slots would have been nice.

I don't think there was something missing in the course.

N.A

It would have been better if the two essay sections (implementation & data capture) were somehow extracted out and put into the schedule as separate parts of examination, so that you could prepare for them while working with the other sections. They could be ongoing exercises throughout the course flow.

Engagement from the teachers and better files.

also the instructions are very detailed on some points but still does not explain what you need to know. i can search myself through a program to find a specific command so focus should maybe be more at the task.

also instructions for what to do when you are the owner of a mac. maybe also information about this before the course starts.

The databases part of the course could be extended as it is very important and sometimes it is not enough detailed if one doesn't read the additional lecture.

Exercises that do not offer guidelines, but rather ask a problem and it is up to us to find the best ways of solving it.

I think that the possibility to have the corrections and the approximation of the correct answer in the practical exercises can be useful to understand how much we are wrong and if we must star the exercise again or we just have to fix a certain part. Also I think a bit more consistency in the corrections can help confrontation between students.

Nothing, I think.

An introduction of other GIS softwares is needed. Although Arcgis is used widely but not necessarily in all countries and fields. Moreover, for the analysis tools, I think more examples can be illustrated as further reading or something.

A general introduction and comparison of other GIS softwares. Although Arcgis is widely used but not necessarily every field and country is using it.

To be honest I only went through the lecture notes, not the video lectures. Sometimes in the lecture notes there were practical exercises, which needed some calculations. Most times these backgroung calculations/steps were missing, and only the final results were presented, which made it more difficult to follow and confirm that my understanding of the exercise was correct. But maybe these details were explained in the lecture videos.

I think what was also missing was some more practical concepts, linked to the theory however. For instance, in the exam there was a question regarding the antennas and the topography data and which type of model to use: this type of example was missing was the course, there should be more real life examples.

Lessons about statements in the raster calculator. This was the hardest in the course. I would prefer an explanation of this, for example in one of the video lessons.

I think it would be of great use to learn how to create a geodatabase, e.g. learning the purpose of feature datasets and feature classes. Also, a practical exercise on how to conduct network analysis would be interesting and useful in my opinion. (Although I do not know if this will come later in the programme).

A way for students to communicate with each other and work together on assignments.

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

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

- The comprehensive coverage of projections and coordinate systems (although the questions on the Practical exercise could be improved!)
- Raster Structure
- Vector Structure

Particularly at the beginning of the course the step-by-step hand holding instructions for performing functions in ArcGIS are really valuable. It would be too easy to make a series of mistakes and become demoralised.

The video and text lectures. Like I said before, it is a good way to get people understand.

The flexibility of the course - I could submit each assignment at my own pace, working intensively for one week and less intensively for another week, and always get quick and high-quality feedback from the teachers!

None of the exercises 1 through 10.

The practical examples and assignments because they are the backbone of learning GIS.

Nothing.

Fuzzy logic. I believe application of fuzzy logic is a MUST have knowledge for anyone using GIS.

You should leave it as it is. Everything is needed and useful in different situations.

The slides!!! They make reading the text lectures so much more engaging, and it's easy to jump between video and text lectures! They also clarify with images in a really good way some things that are really hard to grasp by reading a text.

The reports. I think that looking for resources and stating your ideas in a small report, two pages, it is the best way to learn and explain concepts.

Part of Cartography and Map Projections.

I feel that all parts in the course have been important to learn, so I would say that none of the parts should be excluded in the future.

As I said before the layout was good so it probably don´t have to be changed.

Teacher assistance and video-lectures because they make possible to distinguish between relevant and irrelevant topics during the learning phase. Often, the reader (especially a beginner) doesn´t really get how important is a topic for the final purpose of the module; this is why is important to have a direct contact with an expert (teachers). The ways listed above are the ones the helped me out the most.

The Visualization and the raster and vector analysis.

The clear distinction between theoery and practicals. It made the course have a rythm. First an information dense theory section and then a little calmer practical section where I could just explore the software with a guide.

The advanced excercises as for example the advanced GIS analysis. It was really hard but afterwards and when doing the excercise you was able to understand so much more about GIS and different data structures and the analysis works!

The workingsteps in the exercises.

The practical exercises!

the slides in the theoretical part. the drawings are pretty, and i like the strucutre.

and the exercises - i thought they were good.

I think the most important "foundation" for the GISA21 were Raster and Vector structure and Analysis lectures.

The theoretical exercises were excellent and sets the course apart from other online learning where you might just do practical exercises.

The quiz. because you test your knowledge for each moment.

Rastering, creating the maps.

The self tests should absolutely not be excluded as they are very helpful in knowing how well you are doing in the course.

I cannot think of any.

I think that every lesson taught me something new and useful, so I feel that none of them should be excluded. If I really had to choose something that really should not be excluded, I would choose the "Raster Structure" and "Raster Analysis" lessons. Those were very interesting and in my opinion very important.

The combination of theoretical and practical exercises and the structure should not be changed.

Any of it. I think it has all provided me with a solid foundation in introducing GIS. Probably the most fundamental part was the breakdown of initial practicals into 3 short easy tasks that ease you into the way of learning before the workload increased.

I liked how the assignments were divided into theoretical and practical tasks. It is a good way to do it.

The video lectures, the exercises, the flexibility, the self-test and the interactive presentations. I think the course is perfect the way it is, nothing whould be excluded, nothing should be improved.

The flexibility of the deadlines. Basically you feel sure with that if you have a problem and you cannot attend the exercises for some weeks...

I think that practical exercises and the use of ArcGIS is absolutely important. Only with practical exercises one can have hands on experience on information systems and it is also the best way to consolidate the theory.

The video lectures. They were giving you the feeling you were actually at the classroom and you didn't feel alone.

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the interactive presentation that allow you to have a methodology and guiding through the study of all the different resources offered

The text lectures and practice quizzes, these were the most helpful learning tools.

module 12, really good to be introduced to the different types of advanced analyses that can be performed in GIS, and get an idea of what one might be able to work with in the future.

Definitely keep up the level of the practical exercises, they're challenging but very helpful and hands-on.

All the modules up to module 9. Module 10-12 should be revised or the requirements should be changed. I did not feel that I had the basic requirements, especially for the practical exercise in module 12.

N/A

Interpolation seems important as well as rather complicated. This should not be excluded.

Projection info. Could have elaborated more on it actually. Problems with, how to solve, etc. Projection problems are always present especially in the workplace when moving data between disciplines.

The detailed description to practical exercises, arcmap is too complicated for trail and error.

The practical exercises, I Think, gave me the most knowledge and should not be decreased. However they might be transformed a bit (se number 3).

Given my feelings about the success of the course, I don't think there's anything that should be taken out at all.

The miscellaneous media are very important, according to me, to help us understand what the most important point are.

The ppts :D

The actual mapcreating and handson work in arcGIS.

Hard to say, overall the course have been good. the later exercises (8-12) should not be excluded from the course.

the last two exercises where i think i learned the most. but thy should be better included in the lectures!

The practial exercises with very clear intructions. Clear instructions are important since it prevents the student from getting stuck due to missunderstanding.

The cartography part, though very tricky to understand, is very important to the understanding!

The online lectures! They are great, but perhaps need some updating in terms of sound and image quality.

Good step by step practical instructions.

The chapters about introduction to GIS, cartography, vector, raster, databases and attributes, visualization and interpolation give a lot of good information which give you a better understanding of GIS.

The practical exercises!

All the background was very good. I think the ground material is the most important.

The introduction task! I knew from the beginning that this would be a course worth taking but I didn't really know what I wanted to learn or why. With the introduction essay about expectations I realized why I had chosen this course and that got me more motivated to work hard with it. Without that essay I would probably just have felt that "oh no, I have to do study this again... no fun and I can't see why I'm doing it". I didn't feel this way at all because in the beginning I was forced to realize why I was doing this.

The practice exams were very helpful and shouldn't be excluded from the course. Also, the forum is a good resource to exchange experiences with other students regarding the exercises.

The combination of practical and theoretical excerizes, it really forces me to think and understand.

The mix of practical and theoretical exercises. And also the very good organized structure.

The exercise with interpolation combined with a real application from a thesis work.

The first parts of the course should not be remove giving overall description of GIS (coordinate/projection system, database structure, vector /raster structure, vector/raster base analyses)

The combination of practical and theoretical exercises.

The GIS implementation exercise

The practical exercises can absolutely not be excluded since they are vital to the learning of the software.

Video lectures comes with the text lecture. I thik that both are very stogly supporting each other and none of them should be excluded. Also, self tests should not be excluded.

The videos with two teachers at once onscreen helped me to feel like in a classroom. One teacher alone, would not have been the same. Also I liked the text lectures in PDF. It is great to have the material in both formats. The videos are helpful; the PDF are essential.

Also I enjoyed the interpolation exercises, the fuzzy logic assignment, the math behind common GIS functions and algorithms, the reasons why some approaches might be more efficient than others... Please do not make the course any simpler, these contents really feel empowering.

The video lectures

The practical excercises - they are excellent and gives a good view of how to use GIS in the future.

I also think the last excercise was good to make you think how to work in your organisation. Especially I am looking forward to reading about the others experiences and in which area they work.

The practical exercises were very important. I learn by doing, which is why I thing I struggled with the theoretical exercises at times. I felt like I had a much better understanding of the material after I applied the material.

The advanced analysis part where you had to do some thinking for yourself. It helps develop ones ability to explore solutions on your own.

The video lectures. These are extremely important. I understood much more after listening what the teachers explained, but sometimes I would have liked more explanations and different from those in the text lectures.

Right now, the course is a right mix of tutorials ad assignments. Assignments can be done following the tutorials provided. So I think it is balanced as of now.

Practical exercises, but also the videos are good.

the interactive presentations and the selftests.

Vector structure and analysis, raster structure and analysis, databases and the implementation of GIS. It is very important to have the vision and the plan in order to be able to implement, manage or be part of a GIS departament.

The colorful and playful aspect of the slides.

While the content is obviously extremely important, and many exercises and lectures are well done and offer extremely useful information. The colorful slides make the whole experience more enjoyable, and offer a breath of fresh air in a course that can very quickly become very technical.

I suppose that nothing should be excluded from the course.

The assignments. It is perfect that you have to send in something all the time, keeps me in time with the time schedule and is a way to see that there is no misunderstandings.

Module 6, 8 and 12.

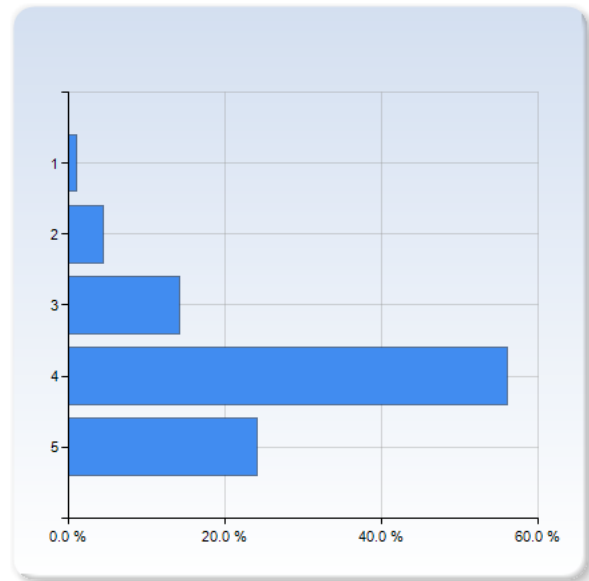Module 6, 8 and 12. The detailed instructions of exercises.

I think all modules should be kept, they form the basics, but especially the modules with vector/raster structure and analysis should be kept. Also the slides of the lectures, although a bit 'old', should be kept, they are very illustrative, with a sense of humour, and pass the message in a very concise way.

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First, the ways in which the course was conducted, that is with regular hand-ins. The modules Interpolation and the Advanced GIS Analysis were extremely good because they were harder than the first modules. It was really useful to learn how to solve problems by ourselves although it felt hard at times.

The pedagogic approach suported my understanding and learning in an excellent way! (1=I totally disagree - 5=I agree strongly)
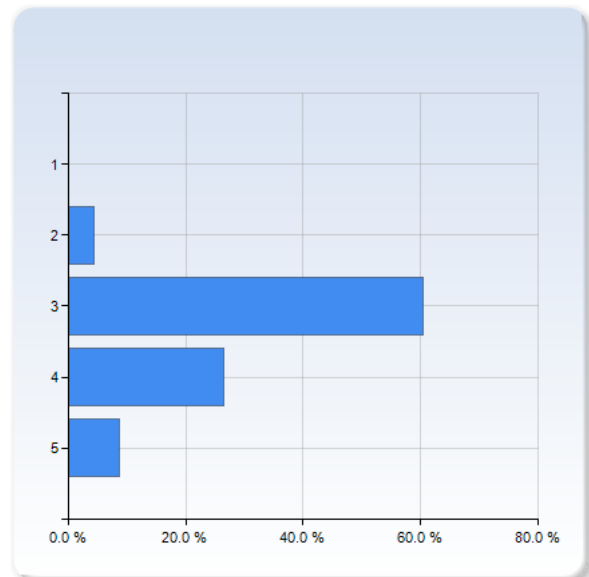
The pedagogic approach suported my understanding and learning in an excellent way! (1=I totally disagree - 5=I agree strongly)	Number of Responses
1	1 (1.1%)
2	4 (4.4%)
3	13 (14.3%)
4	51 (56.0%)
5	22 (24.2%)
Total	91 (100.0%)

	Mean	Standard Deviation
The pedagogic approach suported my understanding and learning in an excellent way! (1=I totally disagree - 5=I agree strongly)	4.0	0.8

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%)

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%)	Number of Responses
1	0 (0.0%)
2	4 (4.4%)
3	55 (60.4%)
4	24 (26.4%)
5	8 (8.8%)
Total	91 (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%)	3.4	0.7

Tell us something about your experience of web-based/ITC mediated learning in this course. Please elaborate as much as possible!

Tell us something about your experience of web-based/ITC mediated learning in this course. Please elaborate as much as possible!

The format and processes worked very well in the main. The only negative thing would be the limited feedback given in response to the assignments submitted. It would be nice to see a copy of the marked assignment and any notes made by the marker.

I felt it was great to be able to study in my own way and be able to fit it around working life. I'm never sure who, if anyone, I can contact and using which medium, if I have a problem I can't resolve though. That is much easier when physically at a University, with the corresponding social networks.

It is a good thing, with this oportunity to do the course at distance.

I much appreciated the fast and good feedback that I received from the teachers. I also enjoyed the lectures, even though I got the impression they were a few years old and had not been updated for a while. As I say above, I much appreciated the high flexibility and missed some social interaction.

I has a hard time coming back from maternity leave last semester so I fell behind. Other than that I liked that the exercises where logical and in a logical order. I like being able to work when ever I want to but sometimes it is frustrating sometimes if I need help imediately to be able to move on but it sometimes takes Days to get help. But it is understandable.

For me it took a while to adapt to the web-based learning. But when I did I think it is a great way to study when you can not move from your current location.

I like the flexibility. I am used to work hard when I am working but take longer holidays.

I am kind of used to this laptop learning because I had attended previous course outside the university. Some of the where at Coursera and Udacity but, I also attended two course at Microsoft Academy. I have to say thanks to all the professors who have been very helpful and replied quickly on anything I asked them. Especially prof. Nitin who has helped me a lot with practical for module 12. The course was sometimes a bit difficult and deadlines were very close but overall I am very satisfied with all the experience and knowledge I gained. I would recommend it to anyone looking for the introduction to GIS.

As I mentioned earlier, it would have been easier in the beginning if there was only one account and platform where you could do everything. Most other online courses I have undertaken use IT's Learning which I think is great (if used correctly).

As I have aforementioned the moodle platform is good, but the design and the versatility of this platform has been overtake by other platforms as coursera. It would be very great if we can download the videos in a regular format and not only as flash audio.

I like this web-based course. You can arrange studying plan with big flexibility. Because there is no seminars like in real courses, I didn't read very much of the additional reading.

My experience of the web-based/ITC mediated learning in the course is that everything have been well planned and we got clear information from the beginning when we should try to send in our answers at all exercises. And I liked the way that you listen to the lectures whenever you want to.

For me it works really good. everything is clearly stated and I think through everything that is put on the webb you get all information you need to learn. Moodle seems to be a good tool and I havn´t had any problem finding what I need and it is easy enough to understand how it works.

All the necessary material is provided. There is almost no need of teacher except when encountering technical errors; this is way you need to be 100% sure about both the compatibility and the functionality of your datasets for different operating systems. Overall, I think the trickiest part is when new arcGIS packs and/or updates are available: make sure that the student is aware about the latest version on the internet.

First part of the course was good (module 1-9) Last part of the course was very bad.

A very practical course like this one is really perfect for this kind of study. I really appreciate being able to go as rapid as I can with the things that I get right away so I can focus on the stuff I don't get and actually learn something. Learning a software by whatching a lecturer fumble around on a projector has never worked for me.

This was my first time doing a web based course and it was abit hard in the beginning because I was fallning behind and I had no idea how the assginements was going to look like, or how long time they were going to take! But after a while it was good.

It was fun to do it online.
Goo that both Ulrik and Petter was talking together.
Easy to follow the slides in the video lectures and then good to also go through the text lectures.

I have had bad experiences with online plattforms before, these where no better. Hard to navigate.

i like the fact that this way of learning is very flexible in time - i can just study whenever and where ever i want.

I found ESRI GIS dictionary extremely useful tool during the course to clarify definitions for some of the words.

It worked out excellent for me. I think it was important to be able to work independently, sort out problems on your own etc. As I mentioned in 1 the flexibility was extremely important in order for me to stick to the course and not give up.

I learned more from this course than I have from many other university courses were I had to be present in a classroom.

It is clear that a lot of thought and work has been put in to creating the course material, it really is of high quality and very well covering for the first introductory course.

I think it was very good because when youre facing problems you need to solve them by your own or you need to look it up on th internet. It is very good when working with GIS in the future and youre facing some problems and you have none to ask for help.

That was the first web-based course I took so sometimes it was difficult for me to follow. And as I mentioned earlier: I would prefer to receive more requirements (somebody who would demand more; mail sent automatically would be perfect).

As this was my first experience of web-based learning I thought it would be very difficult and complicated but I find it easy and very flexible. I can easily communicate with my professors and so all the necessary assignments and self test exercises.

Basically i had good experience of web-based learning in this course. Teachers were helpful and I felt I could control my own study tempo, i didn't need to fellow the exact date in order to finish this course. I learned a lot about GIS, and the more i study about it, the more interesting it bacomes. I enjoyed the whole course period.

(However, as a new beinger for GIS, i'm now a little bit worried aobut my further studies. Actually i expected more form this course, yes i learned a lot, as i said before, but i'm worried what if the further courses become harder and harder, and what if what i learned from this course won't be enough for me to manage the further studies?)

I think this is a very interesting and practical way of learning. The ability to set up my own schedule is a very important aspect and being able to tackle a lesson when I feel I have the proper state of mind to make the most of it is something that I really appreciate about this method of learning. So far it has been an interesting experience which I really enjoy and I consider it to be a positive one.

I think this type of learning is great, especially for learning to use new programs. Students can proceed at their own pace and have the option to replay previous slides for better understanding. Also with the practical exercises it is beneficial as compared to having a classroom of computers with students all working on the practical sections at once and constantly waiting on the teacher to come over and try to help them solve some problem. I would only suggest maybe doing one practical exercise in one of the lectures in the beginning instead of just providing the instructions as a pdf. This might help students become more comfortable in the beginning.

I have thoroughly enjoyed this course. I did not expect to get so much feedback and support from the staff with the assignments. If I got something wrong or not entirely right I got a list of things I should think about and not just that it was incorrect, but why it was incorrect. I thought this was excellent. And all feedback came really promptly. Excellent. I don't think I have missed out on anything from this online learning experience. I have struggled at times with the workload- as I work full time and have found it quite tiring trying to fit everything in. But I managed overall to get everything done, and at times even got ahead with assignments. I was slightly disappointed when the deadlines were all changed from the initial deadlines set out when I first logged into moodle. As I had made a note of all of these inmy diary and then half way through realised most of them had been brought forward slightly and I had inadvertently missed a deadline. I also didn't realise that the exam had also moved forward until close to the exam date- meaning that I had a weekend less to revise. There was no email or announcement that these had changed but I should have picked up on all of these straight away and so I know that this is my responsibility to ensure I monitor for the next courses. Also, I have learnt that I should open and read all assignments for the whole course at the start, instead of taking it for granted that all assignments would follow the same format. The last assignment was a bit of a mega task for me at the end, but I will be able to prepare better for this next time. Overall I am really pleased with the format, contact and teaching of this course. Excellent. I am looking forward to starting the next one. I am doing the online GIS MSC (50% tempo) It would be good if we could receive an announcement of exactly what we need to apply for/register for and by what dates for each specific learning tempos. I still feel slightly in the dark about what is happening next, if I have missed something vital and Ive not been enroled for the next module etc. ALso, I wasnt aware that the course was changing to be joint led by two universities and having to register with ITC and have an additional email account, student number etc for them has made me a bit confused and unsure if I have missed something vital. I am waiting to find out when the next course starts. It would be good to have more notice of the course outline to plan ahead before the start of each course- this was a bit stressful at the start of the introduction module as got all of the deadlines on the day the course started instead of before. As much notice as possible is good when you are trying to fit studying around a job. But this is a learning curve for me and I am loving studying the GIS ODL MSc. Thank you!

I found it quite challenging to study on distance and in the end I wasn't too keen on asking for help from the teachers as I got a reply back once which made me feel like I was really stupid. There were many tasks that needed to be handed in and so the overall work load was probably bigger than most other subjects I have done. It was good though as it kept me active.

I had been in an online course before (Stafforshire University, UK), and we also had to submit assignment via the so called "Blackboard". Lund´s system is much more complete and efficient. The system for uploading documents was ver fast and straightforward, and AC is a very useful tool to commmunicate with tutors. Moodle has also resulted me very useful for learning and downloading materials. Forums have been a very important path for learning too, since I have kept in touch with some other students thanks to that.

If I had to say something just to improve, I would just say that after uploading submissions in AC, and receiving feeback, the system does not allow to send further message to the tutor that has corrected the activity, so it is impossible after the correction to ask more questions or ask for further explanations for some theory doubts. The only way is to check for the tutor´s name in Lund´s directory and send a direct email, which is a bit time-consuming, and could be avoided if the system AC allowed for further communications after corrections.

I thought this course was entirely from GIS Centre - Lund university, sorry.

In general I am very satisfied from both the platform and the teachers' assistance. In a particular case I there was a mistake in one of the practical exercises I submitted. At first the teacher provided me with hints on possible reasons that could have caused the problem. After I run the tests for these possible reasons it appeared that the problem was in some interim results but I could not diagnose which of the results was wrong. After I explained the teacher of the situation, the teacher provided me with the correct interim results so I was able to locate where the problem was. Indeed, I made the required steps again, this time correctly, and I got the correct results.

I think the studies level was very good and the continous assignments kept me attached.

I would like if I could access the video lectures from my iPad and in some cases it took quite much time to get answer for my assignments. That was ofcourse partly my mistake also cause I didn't manage to follow the tempo tightly.

I primarily went through the lecture slides as I am a visualizing person and it is easier to process information when I am reading it myself. It would have been nice to have a study partner or some better way of asking questions. Especially when it comes to technical questions or issues, it is often hard to put these into words or screenshots.
Also, sometimes I did not really understand why I had to perform certain steps as I often simply followed directions but did not really reflect on them.

Is hard to be online student, needs a lot of discipline... at the same time it has some kind of flexibility that i value at this moment. I think obviously online courses are not for everyone.

The web-based learning was really good I thought, the text lectures were pretty clear and there was extra material available often. The quizzes were also good for knowing what to expect on the exam.

i found it a bit difficult when handed-in exercises needed to be redone, would have liked to get a more elaborate answer as to why answers were wrong as opposed to simply stating that they were wrong and needed reworking.

Like I mentioned earlier, it's my first online course. It took some getting used to the environment and the slower communication with staff and students, but I've got the hang of it now. It's great because I can adjust it to fit my schedule (I work full-time) and it's very flexible. It's very easy to manage the AC and Moodle material and very methodical, no problems at all with the interface.

The course was good in that sense that you could choose your own study tempo. Very practical! However, it was sometimes very hard without having a teacher. The medium has therefore both its advantages and disadvantages.

I enjoyed the web-based mediated learning in this course for most part of the module. I couldn't get past Chapter 12 for a length of time as practical was difficult to grasp at times. Could be explained more...

Functional and easy to use. It it important that the structure (lecture, excercise, data sets) follows the same pattern, which it did. Very few glithes and no down times in the system.

This has been my first web-based course so I am unable to comment to much. So far so good, but I have experience with GIS so I am not sure how I will find it once I get into harder courses. It may be more difficult not being able to talk face-to-face and work through problems.

I Think it worked really good. Sometimes obvious details passed me, but caught up with me eventually. The proposed working tempo helped me keep track of my progress and plan my work.

This is my first experience of distance learning, so I didn't know what to expect. I have to say I'm really very happy with the experience so far. I appreciate there's the forum (and I suppose we can contact teachers to ask questions if necessary?), but I did wonder what would happen if I ran into difficulty with a particular subject or problem. While it's great to be in among others when learning a subject, to share ideas and support one another, I've found studying by yourself actually forces you to work harder, to truly think for yourself. That's a good thing.

Very good experience. I can work when I have time and can stop when I decide. I also can make a break to go deeper into a point if I need.

Everything was easy to find in both Moodle and AC, it would be nice with one site instead of two.

I think that you should press on the mather on wich type of computer you need, my handled the ArcGIS bad and much time went to the computer thinking...

I have no other experience of web based learning but it think its have been really good. It is a major advantage of non-location-bound teaching, giving more people the opportunity to study.

I was a bit skeptical in the beginning. but I think that everything was working quite smoothly. Quick responses on the questions which is always very appreciated.

It was my first time takinga web-based course so for me it was a completely new experience. I believe that the model used for this course fits very well for an entirely web-based introduction to GIS with simple and clear structure as mentioned above. The workload is suitable for someone who, like me, needs to be flexible in distributing the time for studies.

It was quite fine. The staff responded very quickly.

I did realized that if you have a severe difficulty, there is not problem to actually speak on phone with someone. Sometimes it is very difficult to explain your problem in emails.

I think it was a different and fresh take on learning, very flexible and comfoertable since you yourself can dictate when you want to do your work and to what extent.

Worked well. Very flexible. Quick replies. Old lectures (bit fun though). Varying pedagogic approaches between teachers. Some very helpful. Som liked caps-lock which was entertaining. Maybe sometimes it would be nice to gave a thorough explenation how something works and why instead of only getting the information that the answer is wrong. Sometimes it would not have been possible to continue if I had not known people that are good at GIS whom I could ask questions.

I think that this is a good way of learning, I myself learn a lot if I get the chance to just read by my own and doing exercises. The idea of having a page as moodle where you can get all the information about exercises and an AC where you submit and ask teachers questions is brilliant. I found it very effective during the course.

Online material was well organized and accessible.
Forum was ok, I used it a bit.
Response on submitted tasks, including the exam was very fast. I expected however more feedback and reflections from teachers on the assignments.

I feel that in order to get the most out of a web-based learning course it's important to have a good line of communication between the student and the course teachers. I have to say that the teaching staff on this course showed a lot of patience and willingness to help and elaborate on any misunderstandings or problems with the course matter, which is comendable.

In web based, you lack the discussion with the other students. It is easy when you know the solution, but when you don't, it can be difficult to move on. But I learned that I just had to send in the answers and the teachers where good to explain.

I found it as a very good experience. It has given me more disciplin and insight that I can manage quite a lot on my own. Sometimes it felt a bit lonely and the forum is not well used. But except for that I can't say anything bad about it that I haven't mentioned above in the form.

I think this was a really good web-based course. Some of the concepts covered required to read and study additional material online (detailed information about spatial analyses and their different parameters and outputs, for example), but I think that extra work on your own can be expected with a web-based course.

I think it´s brilliant. The only thing missing is a possibility to chat to a teacher if you really get stuck in an exercise.

Very good and I have learned much by taking this course!

As said earlier, it was really good e-learning modules. Everything was very clear from the material. Also the exercises were very well structured.

This course was my first experience as distance course. I think it went really smoothly. Information and material are easy to find, deadline are clearly indicated. When there is a problem on one exercise answers, we can discuss it with the teacher.
The only problem, quoted precedently (report exercise), is to plan the workload ourself according to deadlines. Participants should have access to an estimation in number of hours required to each exercise.

The response from the teachers in AC were excellent, fast and a good help. The system overall, were problematic, at least for me. I had difficulties with the course administration and the application system. I didn't get to study the I the pace I wanted to, and therefor couldn't sustain my studies and had to find courses from other universities.

It was fine for me, I combined it with my work and I have the mondays off to study. Some exercises take more time some less.

I really liked this type of web based learning. The AC module and the moodle are really pedagogical and easy to navigate in.
It is easy to find the provided data and all the exercises.

Web-based course was very flexible and easy to find needed information. With all this flexibility you have to be strongly motivated and have good disciplin. I think that all modules, self tests and quizes kept people thinking a lot about GIS even if they were studying 25%. However, I think that the platform for the contacting other students is not so user friendly.

To sum it all up, I liked the responsiveness on the teachers about everything related to the course organization and the assignments, but I missed the possibility of asking aditional questions. The PDF documents were great for reviewing the material, as well as for reading it when i was in a hurry or had not the chance to watch the videos--I could not watch them on an iPad.

The videos were great, but, technically I missed two things: the ability to watch them on an iPad, and the ability to speed them up to 1.5X or 2X speed, like the courses at Coursera. This is very helpful sometimes and aids the student stay engaged when there is an already known section in the video.

I thought that the course material was easy to follow due to the layout of the course website. However, I found myself frustrated at times when I needed to ask a question to supplement my learning and felt that I didn't have anyone to turn to.

I think the web-based learning has worked very well. I have never had any problems. The only thing that I can miss is to have discussions with other course fellows and direct feed-back from teachers. The Forum is not very well used.

In general I think it is an excellent way to study, especially for me as I also work and therefore can choose the time when I can study. It is also excellent that you can choose to study from anywhere in the world.

I think the modules were logically sequenced and I really liked the flexibility of the web-based class.

I felt that I learned less from studying online than I do when studying at the university.

This was my first web-based course and I liked the experience.

One of the best part of the course is the way it is provided. I never faced problems with moodle and AC. They are ideal tools for online education. Although the initial understanding takes some time, but once you get used to the system, these are easy to use also.

I feel that the method, combining practical exercises with theory sections as well as a weekly hand in was very well suited. The flow worked fine and the videos were good. I would have wanted the ability to download the videos for watching offline since I'm not always on a good internet connection.

I do not think it was good. also i would have liked some interaction with the other students. maybe a forum for us to chat about the different tasks.

This type of teaching is very good, as it allows learning new skills at any time you are available at your place. It is a good method of learning.

A nice experience!

Just confusing that there are multiple seperate platforms for just one course. We have to juggle between Moodle and the ac.gis.lu.se site.

I found very nice following this web based course. The possibility to do it while doing other courses and the fact that I did not have to physically attend class allowed me to follow other curses that were off campus while working on my GIS assignments. I enjoyed the theoretical part a lot: i found it really interesting and as a whole, this course will help me a lot in my career.

It would have been useful to have some possibility to chat with teachers, or a scheduled time when teachers answers questions in forum or something.

I like the interactive presentations, but in some of them it is some bugs, like in module 9, slide 11, it says you should choose ONE alternative, but to get it right you have to fill in ALL. And in the interactive presentations it would have been good to get the answer of the question and not just "no that was not correct", at least when you are supposed to calculate something.

In the selftests, when you are supposed to choose "the most important xxx...", it is hard to know if one option is wanted (the most important) or all of them, because there are all important.

I would have appreciated a small presentation of the teachers. Just a brief one, with name, where they live and there field of work and maybe a picture.

I think a lot of things is complicated, frustrated and confusing about the division between Lund and Twente. Like now. It is a week until starting remote sensing course and I have no idea where to find information about how I should do. Is my registration at Twente correct etc. I think that in a distance based education, this things have to be really really clear, so there will be a minimum of misunderstandings.

Generally speaking it's a good experience so far.

So far it's been good.

Overall response time to questions of general natue was very good. Response time to the exercises was not as expected according to the guidelines, even when I was following the study tempo, it was almost always longer, sometimes it took almost 10 working days. Some tutors gave detailed feedback on the exercises, some not, so there was not a common strategy.
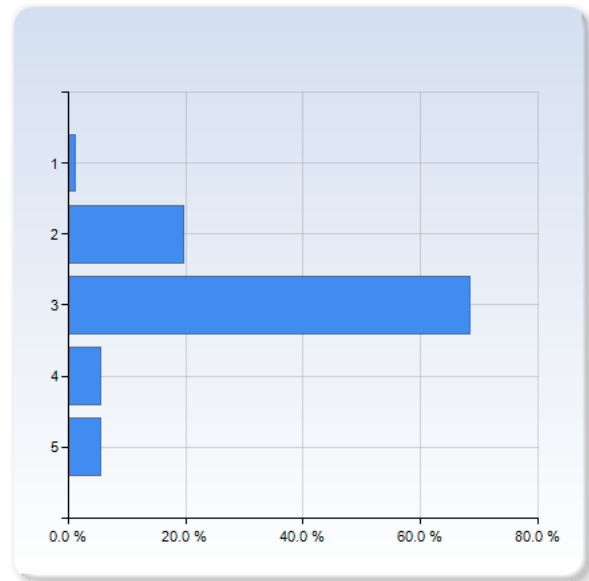
I liked this way of doing the course. That you could to the exercises whenever you wanted, and that you got a quick replay from the teacher.

It exceeded all my expectations. By not having to spend time on travelling to school, having breaks and lunch breaks, having to organize exercises IRL, very much time was saved that could be used just for learning. The course forum was of great help too, and I really felt like the teachers who responded to the hand-ins were really pedagogic in the way they explained if something in the exercises was a bit off.

It is convenient in many ways but has a lot of downsides. For this course which was not so challenging it was not an issue but I have real worries that when I have to tackle more difficult modules in the future it may be much more of a problem with getting the advice and support required.

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

How much was the balance between theory and practicals in this course? 1= too much theory; 3= Good mix; 5= too practical	Number of Responses
1	1 (1.1%)
2	18 (19.6%)
3	63 (68.5%)
4	5 (5.4%)
5	5 (5.4%)
Total	92 (100.0%)

	Mean	Standard Deviation
How much was the balance between theory and practicals in this course? 1= too much theory; 3= Good mix; 5= too practical	2.9	0.7

Comments:

Perhaps a beginners course needs to be theory heavy but I would like to feel like there was at least a task I could comfortably perform on my own in the software.

Almost all the theoretical concepts have been explained by practical exercises too.

Maybe some more practical exercises or longer. Although I still think the theorethical exercises was good.

RAther have less theoretical parts and more practical.

None.

Whish there are more practical exercise in the future!!!

Some sections may have provided slightly too much theory compared to practical. For example, we never used the buffer analysis tool in the GIS, but only talked about it in the lecture. I would have liked to actually use it in the program.

Perfect mix

It was definitely much more theory on the course than I had expected but I quite enjoyed it and feel like I have learnt a lot.

The self-test and the interactive presentations were key elements to better understand the theory in the video lectures and in the transcriptions.

Please as I have mentioned in the first question the pdf lectures and exercises are pretty well written, BUT NOT the practial 10 (interpolation) and the practical 12 (advanced gis anylisis), we took several weeks only in those exercises (above all in practical 12), cause they are written so simple that it is not understood, you are not able to finish them in the proper way, and you spend weeks and weeks until you understand the aim of the exercise or the way to approach it.

It would be nice to have some more practical exercises.

I would even say more practice is needed

maybe adress the practical exercises in the theoretical lessons, somehow practically show how analysis and operations are performed in addition to explaining the theoretical background

As mentioned earlier it was great, do not make the practical exercises easier, keep them thought-out they're a great hands on experience.

I Think it was sometimes a little more theory than necessary, which I could not use in the practical exercises. However, if you are attending the complet master programme, I Believe that the basic theory is needed as a Foundation for later exercises in GIS.

In a few modules, 10 and 12, the practical excercise introduced new theoretical aspects and they were rather losely connected to the theoretical excercise. Of course it was interesting with some extra insight, but it did not seem to follow the general structure of the course.

Sometimes the theory was to detailed without contributing to any understanding. I prefer more practical exercises instead that are more dynamic.

The balance was pretty good. There's always room for more practicals though :) (but not at the expense of the theory)

I think it was a good balance between the two. However, I havve a suggestion with module 10 where geostatistical approach is done. We do not have necessarily enough statistic knowledge to apprehend correctly the module and in the questions about RMSE or ME, one can feel confused.

It was a good balance, however in my oppinion the written assignments (module 5 and 13) were a bit excessive.

A few more practical exercises could have been good.

I think it was pretty balanced. For some of the practical exercises, I had to dive into more detailed material online in order to fully understand the processes and concepts, but I think that some extra studying doesn't hurt.

Very good balance!

As mentioned earlier, I think there is to much technical details that you have no further use of (in my opinion currently, might change). I think it would be better to get more comfortable with ArcGIS and all of its functions. You should add more exercises of how to use the tools in e.g. Arc Toolbox such as the Raster calculator.

I found a good mix of theory and practical contents. Sometimes I missed a bit more (optional?) theoretical depth in some matters, maybe with optional reading (some more would have been an interesting thing to have). But the contents were great for providing a basic knowledge tree that the student can choose to develop later. I hope that most mot these matters will be further developed in other courses within the iGEON program (for example, geostatistics).

I thought it was a good mix, just wondering if the theoretical and practical could be mixed together a bit more. I do understand and appreciate why they are separate.

For me, It was ideal mix. Practicals is required, as being a online education is the best way to force us learn the subject

I felt it was a good mix, but sometimes the theory was a bit too easy.

It was a good balance between theory and practical exercises. I think is very importnant to have practicals for all the topics.

In my case the time I spent with the pactical exercise inbalance the theory A LOT.

I think the lessons were well balanced but I found a little pointless the writing of the essays. i would have rather done a questionnaire about the same subjects.

I think it could have been a better connection between the lectures and the practical exercises. Like in interpolation module. When you are told to set a certain value to something, it would have been pedagogic to mention that "this is xxx, mentioned in lecture" etc.

Sometimes it is a little bit too much. I personally have some knowledge in advanced mathematics and physical geography so it is not a big problem for me. But as this is a course for people from any backgrounds and many of them just regard GIS as a tool so I think some of the theories are not that necessary.

Sometimes the practical did not base on the corresponding theoretical lecture. Inversely, the theoretical lecture could have contained more real-life examples, which then would create the link to the practical exercise, in order to better understand the link between theory and practice.

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What is your gender?	Number of Responses
Male	49 (53.8%)
Female	42 (46.2%)
Total	91 (100.0%)
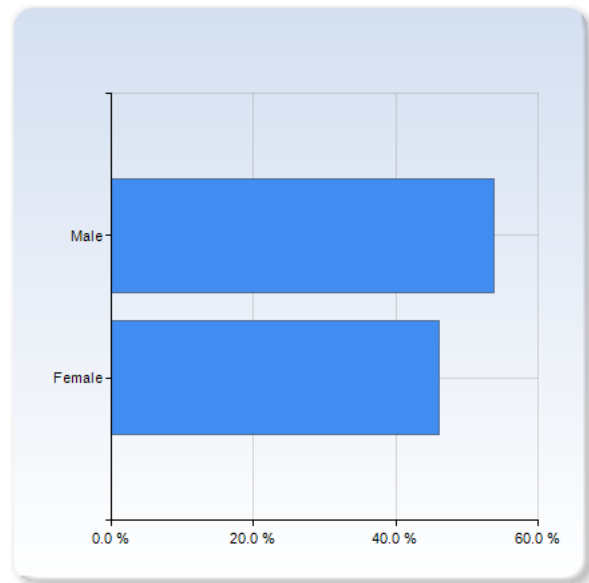
	Mean	Standard Deviation
What is your gender?	1.5	0.5

What is your age?

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