

Redovisning av enkätundersökning om institutionens undervisningslokaler

Sammanfattning av kommentarer.

(En sammanställning av de kommentarer som inkommit tillsammans med det brev som skickades ut återfinns senare i detta dokument.)

Andromeda

Skrivytan på den vita tavlan är för liten (6 av 14) och behöver ersättas med flera tavlor som går att hissa upp och ner. Detta gäller särskilt om man har många studenter vilket ytterligare begränsar den praktiskt användbara ytan.

Det vore bättre med svarta tavlor istället för vita (2 av 14).

Den tekniska utrustningen verkar fungera även om det finns vissa frågetecken kring den stationära datorn (1 av 14) och ljusstyrkan på projektorn (1 av 14)

Vissa tveksamheter kring huruvida ventilation fungerar som den ska (1 av 14).

Cassiopeia

På det stora hela samma kommentarer som Andromeda. Dock är problemet med skrivytan mindre här då rummet inte är lika stort.

Golvkontakten till projektorn fungerar inte (1 av 14) och sladden till den som finns i hörnet är för kort (1 av 14). Dessutom är fjärrkontrollen är borta (1 av 14).

HUB

De som svarat är nöjda med de vita tavlor som finns (5 av 5)

En fast monterad projektor i taket efterfrågas (4 av 5). Och en stationär dator (1 av 5)

Rummet bör inte heller användas om antalet studenter är väsentligt fler än 20 (2 av 5).

Lundmarksalen

Belysning har vissa begränsningar. Till exempel kan inte ljuset i rummet och på tavlor-na/scenen varieras oberoende av varandra (1 av 8).

Ljudsystemet är opålitligt (2 av 8).

Det behövs instruktioner för hur bärbara datorer ska kopplas in och användning av den stationära datorn (2 av 8). (gäller även övriga projektorer (1 av 8))

Vore önskvärt med fler vita tavlor (1 av 8).

Lyra

Datorerna är gamla och behöver bytas ut inom en snar framtid (1 av 4).

Skrivarna fungerar inte (1 av 4).

Då en del av datorerna är vända från den vita tavlan borde antingen det sättas upp en extra tavla längst bak i rummet (1 av 4) eller alla datorer stå åt samma håll (1 av 4). Samtidigt gör rummets avlånga form att det är svårt att använda det för fler än tio studenter om man vill använda den vita tavlan (1 av 4).

Övriga kommentarer

Önskvärt med clickers (1 av 10).

Clickers - nej (1 av 10)

Vi skulle behöva ytterligare ett undervisningsrum i K-huset, förslagsvis i gamla biblioteket (1 av 10)

Bra att Cassiopeia och Andromeda kan kombineras vid examina (2 av 10).

Projektorn i Palmérummet skulle också behöva bytas ut mot en fast monterad med högre ljusstyrka och med fjärrkontroll (1 av 10)

Mikrofoner behövs inte i Lundmarksalen (1 av 10)

Videokonferensutrustning vore önskvärd men behövs inte för undervisningen (1 av 10)

Behöver också mindre grupprum för undervisningen (2 av 10)

Förslag på åtgärder

Efter en genomgång av de svar som inkommit har jag kommit fram till följande förslag:

Sammanställning av de svar som inkommit. Initialerna anger vem som svarat vad.

Det e-postmeddelande med frågor som sändes ut till alla anställda vid institutionen återfinns sist i detta dokument. Frågorna besvarades av 16 personer.

1) Which courses are you teaching and how many students do you have per course?

NR - ASTA03, astronomins grunder: 50 students in the Lundmarksalen

DD - ASTC01 ca 25 studenter, ASTM18 ca 10 studenter

AJ - ASTB01 (15 studenter), ASTM20 (10 studenter)

AI - FYTN02, stat.mek., 20-40 studenter

TB - ASTA04 30-50 studenter, ASTA33 10-20 studenter

TS - FYTN01 Mathematical methods of physics, 30, HUB; FYTN04 Theoretical Particle Physics, 30, Andromeda; Particle Physics Phenomenology (PhD), 12, Cassiopeia; Monte Carlo and molecular dynamics (PhD), 6, Cassiopeia

DM - I am involved in the observational lab exercises for basically all astronomy courses that have them. We typically use Lundmarksalen for an introductory discussion. Attendee numbers range from 10 to 70.

I also use Lyra sometimes, for the preparatory exercises for the observation labs of the more advanced courses.

LLö - MNXA09. 10-20

RC - ASTM14 (Stellar structure and evolution): ansvarig, 15-25 students/year; ASTM12 (High energy astrophysics): lecture but not ansvarig, 10 students/time; Plus some lectures in other astro master's courses and PhD courses.

JB - FYTN04/FYTN08 about 30 students

MD - ASTM12 (high energy astrophysics) around 10 students and ASTM14 (Stellar evolution) - Ross Church is course responsible about 15-25 students

SF - I have been teaching Galaxies and Cosmology for several years (now Thomas has taken over). For the course I had between 6 and 17 students. Probably with an average of ten in the earlier years and higher more lately.

Extra-galactic astronomy: Mater level course also designed to be useful for PhD student. Probably an average around 10 students. But some years quite few more.

Now giving lectures in the Introduction to astrophysics. Probably not more than ten students.

Universe and the quark; 40+ students

CT - FYTA11 (Java part), 12 students; FYTN12, 14 students

TA - FYTN03, 30-40 students

AV - FYTN10, 20 students

2) What is your opinion (if any) about the Andromeda lecture room: whiteboards, projector, other comments on equipment or furnishing?

NR - I would like more white boards (or chalk blackboards) that can move up and down.

DD - Lokalen i sig är O.K. och för kontakten mellan studenter och föreläsare klart bättre är Lundmark så länge antalet studenter håller sig under ca 30.

Whiteboards använder jag inte speciellt mycket och de befintliga räcker mer än väl.

Ett återkommande problem är dock datorn och även dess projektor. För att vara rimligt säker på att presentationerna fungerar, för att ha dem utprovade i förväg och ha dem lagrade på Andromedas undervisningsdator (inte bara mina egna utan även dem för studenters projektarbeten) är man beroende av att datorn och dess kringutrustning också fungerar. Problem uppstår för att (tydligt) olika användare odisciplinerat gör ändringar utan att återställa dem, lämnar oordnade filer på datorn utan indikation om huruvida de ska raderas etc. Tex har jag inte sällan funnit att ljudkablarna till högtalarna har kopplats bort eller projektorn har riktats om från dess normalläge. Vissa inställningar kan man själv återställa men för andra har jag fått leta efter Hampus för att söka hjälp. Detta gäller även för uppdateringen av mjukvaran; givetvis är det inte önskvärt att varje användare börjar installera ”egnaprogram eller modifierar de befintliga men det vore önskvärt om mjukvaran fortlöpande kunde hållas uppdaterad (så att man inte vid tex en presentation av någon gästföreläsare tvingas konstatera att någon video inte går att spela upp pga någon äldre programversion). Jag förmodar att samma typ av frågeställningar gäller även för Cassiopeia.

AJ - Great, no problems. I like the two screens. I show the projector on the side screen and use the white board for equations.

AI - bra

TB - Inget att klaga på

TS - Whiteboards insufficient, projector fine

LLö - Sufficient for my needs.

RC - The room is not raked which limits the area of whiteboard that can be used if the room is full or mostly full. Similarly for a full class one cannot use all of the projector screen (although in practice I do not generally use the projector for teaching in Andromeda). In practice I do not find that either of these issues is a significant challenge. The forced air ventilation system does not appear to work at all and with a full group it is often necessary to open a window. Otherwise I find it sufficient as a lecture room for ASTM14.

JB - Projector and furnishing fine, problem is too little blackboard space especially since one cannot use the bottom third till half depending on the number of students

MD - From my view, the room is well-equipped. In the courses, I am involved with, we teach using the whiteboards entirely (ie no computer projector).

The total area of white boards is about right - more area could mean that teachers could go through too much/students would not keep up.

SF - I have rarely used Andromeda as my groups often are smaller and we therefore fit better in Cassiopeia.

My comments re Cassiopeia could be applied to Andromeda.

CT - Works fine for me.

TA - Andromeda's and Cassiopeia's whiteboard are tiny. If we could put in some sort of sliding whiteboard (like in the good old NB) that would be great.

AV - need more whiteboard space

3) What is your opinion (if any) about the Cassiopeia lecture room: whiteboards, projector, other comments on equipment or furnishing?

NR - I would like more white boards (or chalk blackboards) that can move up and down.

AJ - The floor connection to the projector does not work for some time. Hampus has been looking into fixing that, but not sure how far he has come. Otherwise, the room is quite okay.

AI - bra

TB - Inget att klaga på

TS - Whiteboards insufficient, projector fine

LLö - Sufficient for my needs.

RC - The same comments apply as to Andromeda, although Cassiopeia is smaller so students being unable to see from the back is generally not a problem.

The feature of being able to remove the wall between Cassiopeia and Andromeda is very useful for examinations.

JB - Same comment as above but I have only used this one a few times

MD - The same as for Andromeda above.

In addition I do note that it is easier to see all of the white board from the back row in Cassiopeia as the room is smaller than Andromeda.

SF - The room allows for a good student interaction (that is probably less true for Andromeda being a bit larger). Even with 20 students this works well.

My lecture style has developed over the years, and during the last five or so years I have started to use the white board more and more heavily. This works very well, and several of my lectures are now done entirely on the whiteboard. It is easy to create a good overview (the white board is quite large) and build up the lecture well. I have never run out of space (but I have to plan how I use the space). I also use the OH-projector with the lectures. In Cassiopeia this is easy as you have everything next to hand. A short break when I take up or down the screen allows students to finish writing their notes or sharpen the pen. In some lectures I also use the projector. We could probably get a more powerful projector as it is a bit dim (for today's standards). As it is easy to have a screen on the side you can also project this whilst writing. It might be better to mount a new projector somewhat off centre so that you can use it pointing straight at the screen whilst some of the board is visible. Again, modern laptops have nice ways of not showing the pictures when you want to take the screen out, so I move it in and out.

On the other hand, most of my lectures do not use a computer as I find it less interactive

and makes for slightly dormant students in the worst case.

The older I get the more white board I use.

As a note, I have given lectures on the board in the Palmer room with large analytical content. That board is a bit smaller, but still OK.

CT - The remote control for the projector has gone missing, but the wooden pointer is an OK substitute. A slightly bigger problem is that the short VGA cable is in a corner of the room - I solved this by bringing an extension cable.

TA - Andromeda's and Cassiopeia's whiteboard are tiny. If we could put in some sort of sliding whiteboard (like in the good old NB) that would be great.

AV - need more whiteboard space

4) What is your opinion (if any) about the HUB lecture room: whiteboards, projector, other comments on equipment or furnishing?

AI - bra (men trångt om studenterna är klart fler än 20)

TS - Whiteboards fine, should have permanent roof-fixed projector

LLö - Would be nice with a permanent projector and small computer. But we could also keep it as the dedicated white-board-lecture room

JB - Fine, sometimes a little too little space for the number of students, chairs a bit unstable sometimes, permanent projector would be nice

CT - Using the department projector isn't optimal, especially as a table has to be moved back for the picture to be big enough.

5) What is your opinion (if any) about the Lundmarksalen lecture room: whiteboards, projector, other comments on equipment or furnishing?

NR - The white screens for OH projectors on both sides are not necessary any more. More white boards good idea.

DD - Avseende Lundmark, så har ett återkommande problem varit ljudåtergivningen samt osäkerheten om stabiliteten av dess olika DVD-läsare.

AI - bra

TB - Inget att klaga på

DM - In Lundmarksalen it is difficult to get proper lighting for using both the projector screen and the whiteboard. It's either too dark in the room for the audience to take notes and to read the whiteboards, or the projector screen receives too much ambient light and washes out the image. Furthermore, if the setting is good for the projector the lecturer is standing in the dark, which doesn't help with explanations involving gestures.

Currently there are four light settings: 100%/75%/50%: all lights at full/75%/50% power
25%: the front row of lights is off (to increase the projector visibility), the remaining lights are at 25%.

Two suggestions to fix this: - Turn the front row of lights off in the 50% setting. - Add

two spotlights (two to avoid sharp shadows) that illuminate the speaker's desk and the whiteboard to the right of the projector. This spotlight should be cut-off so that little of its light shines onto the projector screen. This will not only look much better but also a) help with seeing the whiteboard when used in parallel to the projector, b) help with seeing gestures and mimics of the speaker.

The sound system in Lundmarksalen has very odd acoustic characteristics (no bass, over-emphasized treble), which destroys a bit the showing of short movies. One should get a technician to review it and improve it.

LLö - Good. Could need a sheet with instructions on how to connect laptops and how to use the stationary computer.

RC - I find Lundmarksalen a very well-equipped room for teaching with projected slides. I haven't used it for whiteboard lectures. Some of the stools at the back of the room have disappeared and this limits the capacity slightly but this is rarely a problem for teaching.

JB - OK as far as I know

MD - A good setup with the computer project working well. Nice screen which makes it easy to read. Good room for seminars, and COMPUTE meetings etc though I generally don't teach in there (capacity is around 80).

SF - This is all fine. OH-projector can be shown to the side which adds versatility.

CT - Good!

6) What is your opinion (if any) about the Lyra PC room: whiteboards, projector, other comments on equipment or furnishing?

NR - OK

DM - Last time I used it none of the printers worked.

RC - The computers are quite old and various parts of them (e.g. the CD drives) have failed. I have not found this to be an issue for teaching in Lyra but they will need to be replaced quite soon if they are to remain reliable. From memory some of the computers at the back face away from the board and that should be changed if possible when they are replaced.

SF - Only used very occasionally. No specific comment. But we should put up a white board at the South end of the room too.

CT - Not convenient for presenting for more than 10 students, because those at the back are too far away. Works OK as a computer room.

7) Other comments on teaching facilities (for example the lecture rooms in general and equipment such as clickers, speakers, microphones, cameras, video conferencing etc?). Please be specific about how this connects to the courses you are teaching.

NR - Information on where to find clickers would be good.

ML - the phd course 'journal club' takes place in the Palmer room and in the context of

this course I can tell you the projector is only marginally acceptable. A brighter, remote controllable and level projector would be great. (Also the cables are right now easy to trip over)

AJ - I must say that I am quite happy with the equipment in the lecture halls.

AI - det brukar lösa sig ändå, men en lathund till hur man får igång projektorerna i respektive rum skulle vara mig till hjälp ibland

TS - It would be most convenient to have one more lecture room in-house. The former library could be made ideal for classes at least up to 20 people, maybe more. This would include many of the courses on the advanced level, such as the Particle Physics Phenomenology one. As it is now, it looks more like a waste dump, which is a shame. The occasional students there now could be moved to Leif's former office, conveniently located near the lecture room(s).

LLö - I have no special requests.

RC - Personally I prefer chalk boards to whiteboards for written lectures, such as those in ASTM14. Boards that move up and down would be an improvement but I find that the current arrangements in Andromeda and Cassiopeia are adequate.

For ASTM14 (and also ASTM12) we split the classes up into groups for problem-based learning (PBL) sessions. This requires us to have (as we currently do) a number of small rooms that can be used for teaching (we typically use Andromeda, Cassiopeia and one or two of the internal meeting rooms).

JB - The only time I have used speakers so far I have used them in NB with PC speakers attached to my laptop, worked OK (only once a year anyway)

MD - Most of my teaching uses white boards entirely. I find it better to write out all the maths at a speed where people can also take notes as we go.

Good that Andromeda and Cassiopeia can be combined - we use them both typically for the ASTM14 written exam.

For PBLs in ASTM12 and ASTM14 we split the cohort in to groups of 6-8 students so make use of several smaller rooms as well as Cassiopeia and Andromeda.

SF - Clickers - no

Lundmark is relatively easy to speak in so microphones would then potentially be necessary only when the hard of hearing are present. I do not know if we have any equipment for that.

In the astronomy building we have no proper video conferencing available. I would be able to make use of such material. But think that one also needs to research quite a bit to get the right equipment. Might depend a lot on the project one is involved in. Skype is not always feasible.

I do not need video con for teaching.

Overall I am happy with the equipment, maybe more powerful projectors. We now have better white board pens, which is very nice.

Dear all,

As most of you know, we cannot use the lecture room NB since some time now. We have been discussing with the physics department about a joint lecture room that could replace it but at the moment that seems to be far away in time.

So, in the mean time, the courses that used to be in NB have moved over to Lundmarksalen, Andromeda, and Cassiopeia. Based on the experience from the last autumn, my impression is that the number of lecture rooms at our disposal seems is enough but that the whiteboards in Andromeda and Cassiopeia (and possibly also Lundmarksalen) are too small for some of the courses that used to be in NB.

Of course this is just my impressions based on talking to some of you and I do not have an overall picture. Therefore I want to ask you some more detailed questions. If you have other concerns about the teaching facilities at the department please tell me under the last question.

- 1) Which courses are you teaching and how many students do you have per course?
- 2) What is your opinion (if any) about the Andromeda lecture room: whiteboards, projector, other comments on equipment or furnishing?
- 3) What is your opinion (if any) about the Cassiopeia lecture room: whiteboards, projector, other comments on equipment or furnishing?
- 4) What is your opinion (if any) about the HUB lecture room: whiteboards, projector, other comments on equipment or furnishing?
- 5) What is your opinion (if any) about the Lundmarksalen lecture room: whiteboards, projector, other comments on equipment or furnishing?
- 6) What is your opinion (if any) about the Lyra PC room: whiteboards, projector, other comments on equipment or furnishing?
- 7) Other comments on teaching facilities (for example the lecture rooms in general and equipment such as clickers, speakers, microphones, cameras, video conferencing etc?). Please be specific about how this connects to the courses you are teaching.

Please respond asap and on the latest on Friday March 20.

Best regards,
Johan