

Referat fra møte i utvidet ledergruppe

Til stede:	Kjetil Rasmussen, Henrik Jensen, Kjell-Inge Reitan, Stig Koteng, , Trina Galloway, Irja Ratikainen, Martin Kuiper, Bengt Finstad, Bernt-Erik Sæther, Bjørn Munro Jenssen, Bengt Finstad, Berit Johansen, Ingeborg H. Bringslid, Jakob Selfors, Grethe Stavik Eggen, Fredrik Jutfelt, Lea-Sofie Thomse Lie, Thorsten Hamann, Hans Jakob Jakobsen		
Forfall:	Veerle Jaspers, Signe Nybø, Atle Bones		
Gjelder:	BL-referat 03-22		
Møtetid:	10.11.2022 kl 14.00 – 15.00	Møtested:	Realfagbygget DU2-150/zoom

BL-sak 03-22 Langtidsbudsjett 2023-2026

Forslag til langtidsbudsjett ble fremlagt og diskutert uten påfølgende endringer (se vedlegg)

BL.sak 04-33 Justering av emneportefølje

Faggruppene presenterte sine forslag til endringer (se vedlegg)

Utviklingen av et nytt transparent og forutsigbart system for undervisningsstøtte (phd/PD-pliktarbeid og studentassistent) tas videre av en arbeidsgruppe bestående av nestledere utdanning, programrådsledere og representanter for studieretninger i BBI/MSBIO.

EVENTUELT

Studentene tok opp sak om egenbetaling av mat og kursmateriell i enkelte IBI emner med feltkurs er i overensstemmelse med gratisprinsippet. Teksten i infobrev til studentene blir vurdert og evt justert i henhold til dette.

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Notat

Til: Utvidet ledergruppe

Kopi til:

Fra: HJJ/KR

Signatur:

Langtidsbudsjett 2023-2026

Langtidsbudsjettet vist i tabellen under er revidert pr 09.11.2022 etter foreliggende forslag til Statsbudsjett 2023 og tidligere innmeldte utviklingsbaner for inntektsindikatorene. Bevilgningene dette gir gjennom NTNUs rammefordelingsmodell (RFM) til fakultetene og viderefordelingsmodellen (VFM) ved NV til instituttene er lagt til grunn. Inflasjonsjustert gir det ingen realøkning i bevilgning til institutt for biologi i 2023. Framtidige inntekter fra bidrags- og oppdragsaktiviteten (BOA) er i tillegg vurdert og beregnet.

Den økonomiske situasjonen beskrevet i vedlagte IBI strategisk personalplan er gjeldende og ytterligere forverret slik at tiltakene beskrevet må opprettholdes/intensiveres. Endringene siden mai er i hovedsak at prognosen for årsresultat 2022 er redusert med mnok 1,2 til minus 8,7 mill (som overføres til 2023) og at midlertidige lønnsforpliktelser er til sammen ca 6 mill høyere i perioden.

Selv med de strenge forutsetningene satt for det foreliggende budsjettet havner instituttet innenfor godkjent avsetningskorridor tidligst i 2026. Ingen nye erstatningsstillinger er lagt inn utover marin stilling som er i prosess med antatt oppstart 07-2023. Driftskostnadene er lagt på samme nivå som i 2022, noe som betyr begrensning i tildeling og bruk av driftsmidler for de vitenskapelig ansatte (DVA) og av EU incentiv midler.

Dato
11.11.2022

Referanse

Norges teknisk-naturvitenskapelige universitet

	Prognose 2022	2023	2024	2025	2026	
Overført fra forrige år	-526	8 146	15 253	18 545	11 479	
Bevilgningsinntekt	-67 612	-69 909	-70 275	-71 144	-69 791	Basert på utviklingsbaner og VFM
Omfordelt bevilgning	-5 914	-2 918	-3 600	-4 300	-4 500	RD stip+EU incentiv
Overføring fra BOA	-36 617	-35 565	-29 848	-31 996	-31 444	Basert på sannsynlige tilslag
Lønnsoverføring fra BOA	-8 872	-7 954	-8 827	-13 001	-11 786	Timeføring på prosjekter, øker med EU tilslag
Leiestedsinntekt fra BOA	-2 045	-2 347	-2 256	-2 504	-3 735	noe økt (fortsatt uklart mht EU)
Dekning indirekte kost fra BOA	-25 700	-25 264	-18 765	-16 491	-15 923	CBD avsluttes 2023
Andre inntekter	-868	-900	-900	-900	-900	
Sum Inntekt	-111 011	-109 292	-104 623	-108 340	-106 635	
Investering	6 100	1 000	1 000	1 000	1 000	Nødvendig erstatning+Egeninnsats infrastruktur
Lønn	67 287	70 757	72 864	65 917	63 598	
Faste ansatte	55 785	59 468	61 132	60 951	60 116	7 avganger, 4 forpliktelse inn, 1 ertstatning: Marin 2023
Midlertidige ansatte	11 348	10 532	10 974	4 208	2 725	Plikt 6 mill pr år - redusert til 0 ettersom forpliktelse opphører
Andre lønnskostnader	1 680	2 282	2 282	2 282	2 282	Sensorer, opponenter, stud.ass
Refusjoner	-1 525	-1 525	-1 525	-1 525	-1 525	
Drift	8 640	9 500	9 500	9 500	9 500	Nivå 1 mill over covid, 2-3 mill under "normalår"
Husleie	18 979	19 460	19 752	20 049	20 049	prisjustert
Egenfinansiering BOA	18 677	15 681	4 800	4 808	3 681	CBD avsluttes 2023
Sum Kostnader	119 683	116 398	107 916	101 274	97 828	
Årets resultat	8 672	7 107	3 293	-7 066	-8 807	
Resultat akkumulert	8 146	15 253	18 545	11 479	2 672	I korridor 2026

Emner som legges ned 2023/2024

Bachelor:

BI1008 (10 SP) utgår og erstattes av BI1011 (7,5 SP) og BI1012 (7,5 SP)

BI2073 utgår, deler av emnet inkluderes i BI2025

Master:

BI3060 og BI3066 legges ned

BI3069 legges ned, erstattes av emne ved IBA

BI3021 (15 SP) legges ned, erstattes av BI3023 (7,5 SP) som skal undervises på våren

Decrease of Teaching hours in Animal Physiology

- We have already started to decrease the number of PhD assistants wherever possible (e.g. in the course BI1006 we used a Master student as teaching assistant instead) this fall. Our plan is to also reduce the number of PhD assistants in the courses BI2024.
- The 1-week Sletvik field trip (BI2025) was high in teaching hours in the past. We have already reduced the number of teachers dramatically this fall semester. The course this semester was run by a minimum of 4 faculties (two PIs and two PhD students). We are planning to further reduce the number of teaching assistants in the next year (3 PIs and 1 PhD assistant). However, as this intensive field trip is unique and highly appreciated by students, we would like to keep offering it in the future.
- The course BI2025 will be merged with the ENVITOX in the future – still coordinated by the section Animal Physiology. As a result, the total number of students will be increased while at the same time the number of teaching assistants will be reduced. The new name of the course will be “Animal Ecophysiology and Ecotoxicology” to reflect the merge.
- As BI3020 is a self-study course for MSc students, without the involvement of any teaching assistants, we are not planning to make any modifications to this course.
- The MSc course BI3021 is currently held as a full year course (15p). However, we plan to change this by offering this course only in the spring semester as a half year course (7p). This way, the course will run with about 15-20 students once a year instead of every semester with about 10 students. This way, we will be able to reduce the number of teaching hours by 50% while at the same time increasing the number of students each time.

The suggested changes at a glance

Course	Topic	Nr. of Students	Coordinator	Suggested changes	Reduction of teaching hours	Reduction of teaching assistant hours
BI1006	Animal Structure and Function	about 160	Lena van Giesen	Master students will be used as teaching assistants if possible. Examen is self-correcting!	622 → 582 (7%)	240 → 240 (0%)
BI2024	Human Anatomy and Physiology	about 50	Basil el Jundi	Master students will be used as teaching assistants if possible.	712 → 648 (10%)	80 → 80 (0%)
BI2025	Animal Ecophysiology	about 20	Jeff Yap	Sletvik field trip will mainly be taught by PIs. This course will be merged with BI2073 by ENVITOX.	879 → 647 (27%)	259 → 143 (45%)
BI3020	Advanced Physiology		All PIs	No changes required	-	-
BI3021	Special Zoophysiology	about 10	Fredrik Jutfelt	Will be held semester per year as a 7p course for 15-20 MSc students, instead of a full year 15p course with 10 students.	208 → 126 (40%)	-

Action to decrease the number of PhD assistants in the courses – CBD

- No course cancelled with the current number of academic staff (all courses are above 10-15 students / year)
- General decrease of 2/3 of the assistance in the courses (to happen gradually for some courses during the coming 2 years). The decrease per course is presented below together with the consequences on the pedagogic activities offered in the different courses.
- The number presented here may be further discussed to prioritize specific courses.
- The courses RFEL3080 and RFEL3082 are not directly hosted by CBD but are within the NARM program. The actions for these courses may have been reported somewhere else.
- The total change is from 7219 h to 4684 h, but many hours from BI1002 can be (and are already) done by Msc students. If we exclude this course the reduction is from 4159 h to 1624 h, that is, a 60% reduction.

Course	Coordinator	Decrease in the number of assistant hours	Consequences on the pedagogical content of the course	Specific skills for the assistants
BI1002 Faunistic and floristic	Einum	3060 → 3060	The hours are realized by Master students	Good knowledge in faunistic and floristics, Scandinavian language
BI1003 Ecology Behaviour and evolution	Lee	500 → 166	Need to use more Msc students (which has proven to be less successful in the past)	Scandinavian language – basic knowledge in ecology
BI2017 Genetics and Evolution I	Pélabon	432 → 144	Written semester assignment replaced by an assignment with oral presentation.	Need for PhD assistants with R skills
BI2033 Population ecology	Grøtan	360 → 120(?)	General decrease in the activities offered during the course	Need for PhD assistants with R skills
BI2044 Ethology	Wright	244 → 190	No possible decrease beyond this	
BI2043 Biodiversity and Conservation I	Hansen	210 → 70	Decrease on the individual activity (Exercise of writing a graded review should be scaled down)	Writing skills if the written exercise is maintained
BI2081 Nature Environment and Sustainability	Ratikainen	400 → 133	Reduction of the size of the course (e.g., no Ålesund students) and decrease project guidance	Some general knowledge about ecology, interest in sustainability, Scandinavian language.

BI3037 Freshwater Ecology	Einum	178→ 59	Reducing the R seminar and possibly the field part of the course	Need for PhD assistants with R skills
BI3040 Behavioural Ecology	Wright	80→ 0	Minimal	
BI3051 Quantitative Analyses in Ecology and Evolution	Pélabon	500→167	change written assignment for oral presentation of the semester assignment – decrease in the supervision during exercises	Need for PhD assistants with R skills
BI3052 Study design	Ghalambor	432→0	Minimal loss except offering the possibility for Master students to discuss with PhD student	
BI3083 Evolutionary and Ecological genetics	Jensen	143→ 60	Decrease assistance / guidance during exercises	Need for PhD assistants with R skills
RFEL3080 Scientific seminar in natural resources management	Graae	120	This course is run for the first time with only MSNARM students. Mandatory for MSNARM students	Needs TA's with general PhD student competence
RFEL3082 Sustainable management of ecosystem services	Austrheim	160→ 120	The course will remain the same, including substantial group work. However, from next year the number of students will be limited to 30 (6 groups x 20hrs = 120 hrs) Mandatory for MSNARM students	The TA needs to have special insight into the specific project topic.
RFEL3081 Interdisciplinary Project for Environmental Sustainability	Ringsby	400 -> 275	Reduced attendance of TA's in seminars and presentations. NB this is a mandatory NARM course with EIT status	3 PhD students skills with insight into natural resources management

From: [Bengt Finstad](#)
To: [Kjetil Rasmussen](#)
Subject: RE: JUSTERING AV EMNEPORTEFØLJE
Date: tirsdag 1. november 2022 16:15:18

Hei igjen

For marin seksjon er det som tidligere nevnt at:

BI3060 – Environmental state of coastal water (MSOCEAN) – legges ned fra høst 2023 (Yngvar sitt kurs).

BI3066 – Marine juvenile production (MSOCEAN & MSAH) – legges ned fra vår 2023 (Elin sitt kurs).

Bengt



From: [Bjørn Munro Jenssen](#)
To: [Kjetil Rasmussen](#)
Subject: Sv: JUSTERING AV EMNEPORTEFØLJE
Date: tirsdag 1. november 2022 15:24:14

Hei Kjetil

Oppsummering av endringer i emneportefølgen fra ENVITOX

1. Emnet BI2073, Praktisk miljøtoksikologi, 7,5 ECTS foreslås nedlagt fra vårsemesteret 2024. Emnet slås sammen med emnet BI2025, Dyrefysiologi og BI2025 gies nytt navn: Dyrefysiologi og økotoksikologi. Labkursi økotoksikologi vil erstatte labkurs i praktisk miljøtoksikologi. Opptakskrav til ENVITOX-programmet må endres.
2. Emnet BI3073, Gentoksikologi (7,5 ECTS) legges ned fom vårsemesteret 2025. Fordi emnet er obligatorisk for MSECOTO-studenter må kurset avholdes siste gang våren 2024. Etter det avsluttes Erasmus Mundus programmet "Environmental Contamination and Toxicology" og emnet kan legges ned. Åse Krøkje leies inn som timeunderviser/ansvarlig i vårsemesteret 2024 da ingen andre har kompetanse i emnet. I tillegg vil det være behov for assistanse fra PhD/postdoc i forbindelse med emnet, men omfanget av behovet er uklart (Molly McPartland er forespurt, men må evt få forlengelse).
3. I første omgang vil PhD/postdocs benyttes i labdelen av det nye BI2025, men studentassistenter må vurderes etter hvert som stipendiater/postdocs har oppfylt sine plikter.

Hilsen Bjørn

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Proposed measures for efficiency savings in MSB section Autumn 2022

Bestilling from institute:

Faggruppene bes om å gi skriftlig tilbakemelding på følgende:

- 1. Foreslå nedleggelse/sammenslåing av emner jfr. fakultetets bestilling med mål om å redusere antall emner med få studenter.**
- 2. Foreslå nedleggelse/sammenslåing av emner som følge av redusert bemanning og undervisningsstøtte.**
- 3. Foreslå justering av emneinnhold/læringsformer som følge av redusert undervisningsstøtte.**
- 4. Indiker i hvilke emner hvor evt studentassistenter kan utføre lab-/feltoppgaver som i dag utføres av phd-/ postdoktorstipendiater.**

The MSB section is in an unusual situation since we have three recently arrived new colleagues and two colleagues are going to retire in the next 24 months with the details of the replacements to be determined. Therefore, we find it difficult and not very productive to make fundamental decisions about which courses we will be teaching in future at this point in time.

However, we do appreciate the seriousness of the financial situation at IBI and have therefore focused on making saving in the courses where a section member is the lead academic.

Please find attached an excel spreadsheet providing an overview of the courses we have responsibility for and how we plan to modify them to reduce costs for education.

Course code	Academic(s) leading	Hours contributed by academics (2022)	Hours contributed by teaching assistants (2022)	Hours contributed by academics (future)	Hours contributed by teaching assistants (future)	Hours saved (academics)	Hours saved (assistents)	How are planned reductions achieved (short explanation)
BI3085	Hanna Lee	150	400	100	250	50		This is the estimate of two semesters (fall and spring). Limited teaching assistants in the Fall semester and mostly invited talks by outside of the department. In the spring semester, limit teaching assistant involvement in discussions and make more student self discussion/groupwork.
BI3082	Eivin Røskraft	165	400	165	400	0	??	decisions on modifications/savings must be taken by the new person responsible
BI2034	Bente Graae	201	459	197	299	4	162	This doesn't include the input of hours by Sigrid. The number or hours for assistants are done by putting the work on fewer assistants and thereby they and we have to run faster - especially on the field course
BI3036	Martijn Vandegheh	189	190	189	108	0	72	Reorganization of group supervision allows reductions in TA support.
BI3019	Martin Kuiper	239	176	239	176	0	0	
BI8040	Martin Kuiper	112	158	0	0	112	158	depending on the PI for the course - moved to IKOM? (efficiency savings only apply if course is dmoved to ICOM) Replace lab intro "lecture" with recorded videos; hire only Master's students as lab leaders (no PhD fellows); only 1 lab leader per lab section, no assistant; authorize Master's students as internal sensors for lab report evaluation (included in assistant hours calculation); this means replacing all PhD candidate hours with MSc candidate hours which should give a substantial cost saving beyond what the decreased assitant hours implies
BI1007 (2021)	Richard Strimbeck	284	352	284	290	0	62	
BI2021	Richard Strimbeck	190	0	190	0	0	0	This is already slightly fewer hours than would be calculated using the virksomhetsplanlegging worksheet; the course is needed for students taking a plant physiology study direction and international students who need 2000 level courses in English, and is relevant for students in an ecology study direction; the course functions well in its current form with a mix of lab and discussion sessions, lab reports and independent project; not offered in 2023; expect that it will be taken over by new faculty member in 2024, who may change it; could save faculty hours by hiring a qualified PhD candidate with suitable experience/expertise to take some sessions and evaluate student work (MSc students definitely not suitable)
BI2022 (2021)	Richard Strimbeck	203	0	200	0	3		This is already slightly fewer hours than would be calculated using the virksomhetsplanlegging worksheet; the course is needed for students taking a plant physiology study direction and international students who need 2000 level courses in English, and is relevant for students in the cell and molecular study direction; functions well in its current form, focused on critical reading and discussion or primary literature, including a literature review assignment (50%); will be taken over by Daniela and/or another new faculty member in 2025 who may change it; could save faculty hours by hiring a qualified PhD candidate with suitable experience/expertise to take some sessions and evaluate student work (MSc students definitely not suitable)
BI2080 (2020)	Richard Strimbeck	89	218	75	225	14	-7	In its current format the course involves numerous faculty members, PhD candidates, and sometimes postdocs who each teach a single 2-hour topic session; some faculty hours could be shifted to PhDs by having them take more sessions (this is an excellent teaching experience to add to a CV); a subset of PhDs put in extra hours to facilitate group work and evaluate student work -- I don't see a way to cut back on this without compromising the course. Hanna will take ca. 50% of course leadership in 2023-24 and take over the course after I retire. Not possible to reduce assistant teaching support due to nature of practical activity and health and safety considerations in the course. This is the only course where the Mol Biol Biology students spend time in a research laboratory doing hands on activity / "real research".
Bi2012	Thorsten Hamann	170	540	170	540	0	0	Less preparation-intensive course activities and less marking of / feedback on reports / simplified assessment by only doing a written exam
Bi2015	Thorsten Hamann	284	1160	280	600	4	560	
Total (in hours)		current faculty workload 2126	current assistant workload 3653	future faculty workload 1989	future assistant workload 2638	saved faculty workload 187	saved assistant workload 1007	