

Annual Report 2021 Department of Business and Management Science

Management	Head Jarle Møen, Deputy Head Iver Bragelien, Adm. Manager Kristin Reichel Teigland
Affiliated	98 persons – 19 Professors, 12 Associate Professors, 8 Post Doctorate Fellows/Assistant Professors, 25 PhD Research Scholars, 6 PhD Students with other funding, 7 Adjunct Professors, 9 Adjunct Associate Professors, 5 Professor Emeriti, 1 Scientific Assistant, 1 Administration Manager, 2 Senior Executive Officers, 2 Higher Executive Officers and 1 Office Apprentice
Man-years	74,5 man-years – Faculty 42,5; PhD Research Scholars 26,0; Administrative Staff 6,0
Gender balance	13 % women in tenured faculty positions, 50 % in non-tenured faculty positions, 46 % in PhD Research Scholar positions and 13 % in adjunct faculty positions
Publication points	66,8 (60,7 in 2020, 58,1 in 2019, 69,2 in 2018)

Hirings and promotions

- Malin Arve was appointed Vice Rector for Research
- Frode Sættem was appointed Vice Rector for Faculty Management
- Jarle Møen was hired as Head of the Department
- Mohammed Mardan was hired as Associate Professor in Business Economics
- Elisa Casi-Eberhard was hired as Assistant Professor in Business Economics
- Andreas Ørpetveit was hired as Assistant Professor in Business Economics
- Eight new PhD Research Scholars were hired; Costanza Cincotta, Ole Kristian Dyskeland, Xuan Li, Chunzi Qu, Ingrid Emilie Flessum Ringstad, Simon Flatebø Selle, Pankaj Sinha and Andrés Felipe Vélez Correa
- Torill Anthun was hired in a permanent position as Higher Executive Officer
- Maren Henneli was hired as Office Apprentice

Awards

- Iver Bragelien was awarded the title Excellent Teacher Practitioner
- Trond Døskeland was granted NHHs publication bonus for an article in *Review of Finance*
- Maximilian Todtenhaupt was granted NHHs publication bonus for an article in *Research Policy*
- Jarle Møen and Guttorm Schjelderup have published a scientific article on ABS level 4 in *Journal of Corporate Finance*
- Håkon Otneim has published a scientific article on ABS level 4 in *Journal of Business & Economic Statistics*
- Paul Pelzl has published a scientific article on ABS level 4 in *Journal of International Economics*
- Leif K. Sandal and Stein Ivar Steinshamn have published a scientific article on ABS level 4 in *European Journal of Operational Research*
- Maximilian Todtenhaupt has published a scientific article on ABS level 4 in *Journal of International Economics*

Research

- The Department profiles its research in five main thematic areas: (i) *Managerial Economics and Business Strategy*; (ii) *Business Taxation*; (iii) *Asset Management and Risk Analysis*; (iv) *Energy Markets, Resource Management and Sustainability* and (v) *Shipping, Logistics and Operations Management*.
- The Department's faculty members have published 54 articles in scientific journals and 3 chapters in scientific anthologies. This corresponds to 66,8 publication points, of which 50 % are classified on level 2 in University Norway's (UHR's) publication scheme, 43 % are on ABS level 3 or higher (18 % on level 4/4* and 25 % on level 3).
- The Department's total project grants from competition arenas are NOK 6,3 million (4,7 in 2020, 4,3 in 2019, 3,15 in 2018). The total grant of NOK 6,3 million comes from the Research Council of Norway. This includes grants received directly from the Research Council of Norway and grants received from external project owners. In addition, the Department has an annual grant funding of a professorship in shipping economics of 1 million from the Bergen Shipowners' Association and the Neptun Bergen Foundation
- The Department's faculty members also carry out project work for SNF – Centre for Applied Research at NHH. The gross turnover in this business is 5,5 million (5,2 in 2020, 4,7 in 2019, 3,9 in 2018)
- 10 papers were published in the Department's Discussion Paper series (15 in 2020, 17 in 2019, 19 in 2018)
- 14 faculty seminars have been held
- The Department's faculty members contribute heavily in four of NHH's research centres
 - *Centre for Business Economics* is co-headed by Øyvind Thomassen, together with Eirik G. Kristiansen at the Department of Economics (Kristiansen replaced Kurt Brekke in August)
 - *Centre for Energy, Natural Resources and Environment – ENE* is headed by Gunnar S. Eskeland and Stein Ivar Steinshamn (deputy head). Until July 2021 Leif K. Sandal was head and Gunnar S. Eskeland deputy head.
 - *Centre for Shipping and Logistics* is headed by Stein W. Wallace and Roar Os Ådland (deputy head)
 - *Norwegian Center for Taxation* is headed by Guttorm Schjelderup and Jarle Møen (deputy head)
- NHH is a partner in *Climate Futures*, a Centre for Research-Based Innovation (SFI) at NORCE. Roar Os Ådland is the leader of the innovation area «Smart Shipping», coordinator for NHH's activities, and sits on the steering committee of the SFI along with Geir Drage Berentsen. The centre will do research on new solutions

to predict and manage climate risk from 10 days to 10 years ahead. Håkon Otneim and Stein W. Wallace are also affiliated with the centre. Two Post Doctorate Fellows and two PhD Research Scholars are employed. The Department's efforts are linked to shipping, aquaculture, asset management, and insurance.

- NHH is a partner in *Norwegian Centre for Energy Transition Strategies* (NTRANS), research centre for environmentally friendly energy (FME) at NTNU. Mette Bjørndal is deputy head and research director. Gunnar S. Eskeland is a member of the management group responsible for dissemination.
- The Department's faculty members have external funding for new research projects from both Norwegian and European competition arenas

Doctoral dissertations

- Somayeh Rahimi Alangi (June): Challenges Arising from the European Sequential Electricity Market Design: Market Power and Intraday Market Issues
- Andreas Ørpetveit (December): Essays on Actively Managed Equity Mutual Funds

Scientific conferences

- The Department's faculty members regularly contribute to international scientific conferences and other professional meeting places. 81 conference contributions and academic presentations have been registered in the research database Cristin (49 in 2020, 122 in 2019, 116 in 2018). NHH's fund has awarded the department's employees 5 travel grants (7 in 2020, 38 in 2019, 32 in 2018). The decline in activity is due to the Covid19 pandemic.
- Arnt Ove Hopland, Mohammed Mardan, Guttorm Schjelderup and Maximilian Todtenhaupt were members of the Scientific Committee for the *Norwegian Tax Accounting Symposium*, which was held online in June.
- Malin Arve and Trond E. Olsen were members of the local organizing committee for the *48th Annual Conference of the European Association for Research in Industrial Economics, EARIE 2021*, which was held online in August.
- Julio C. Góez was head of the Scientific Committee of the *NORS (Norwegian Operations Research Society) Annual Conference* held at NHH in November.

Editors in scientific journals

- Malin Arve is an Associate Editor of *Journal of Public Procurement* and on the Editorial Board of *Journal of Industry, Competition and Trade*
- Mario Guajardo is on the Editorial Board of *International Transactions in Operational Research* and *Journal of Quantitative Analysis in Sports*
- Guttorm Schjelderup is on the Editorial Board of *International Tax and Public Finance*
- Stein W. Wallace is on the Editorial Board of *Computational Management Science*, *EURO Journal on Transportation and Logistics* and *International Journal of Inventory Research*
- Roar Os Ådland is an Associate Editor of *Multinational Finance Journal* and on the Editorial Board of *Maritime Business Review* and in *Maritime Policy & Management*

Teaching

- The Department has the main responsibility for the Methods Courses in the Bachelor Programme and is responsible for the course sequence in Business Economics, together with the Department of Accounting, Auditing and Law. During the year, the Department offered 17 course sequences in the Bachelor Programme, including 1 new course
- The Department is a central provider of courses in the master profiles in Financial Economics (FIE), Business Analysis and Performance Management (BUS), Business Analytics (BAN), Economic Analysis (ECO) and Energy, Natural Resources and the Environment (ENE). During the year, the Department offered 52 course sequences in the Master Programme, including 6 new courses
- The Department works purposefully to support NHH's commitment to technology-related courses and is responsible for 16 of the 35 courses included in NHH's measurement indicator for following up the strategy in this area. The Department also has course responsibility for five courses with a focus on sustainability, another strategic priority area
- The Department is responsible for the specialization Business and Management Science in the PhD Programme. During the year, the Department offered 9 courses, including 2 new courses
- The Department provides teaching in many executive education programmes offered by NHH Executive. The following employees participate: Malin Arve (internally), Iver Bragelien (Programme Director MØST), Trond Døskeland (AFA Master), Svein Gjedrem (MØST), Øystein Gjerde (MTM, MØST), Joachim Høegh-Krohn (MØST), Steffen Juraneck (MBA Seafood) and Frode Sættem (MØST, MASTRA)

Dissemination

- 39 feature articles and opinion pieces were published in national newspapers (43 in 2020, 32 in 2019, 21 in 2018)
- Roar Os Ådland, Malin Arve, Petter Bjerksund, Mette Bjørndal, Iver Bragelien, Gunnar Eskeland, Øystein Foros, Arnt Ove Hopland, Jarle Møen, Guttorm Schjelderup and Øyvind Thomassen have been particularly active participants in the public debate.
- NHH yearly hosts a number of conferences where department employees are important contributors - either in the form of programme management or by giving presentations. In 2021 this applies to *Vårkonferansen*,

where Iver Bragelien was in the programme committee, NHH's shipping conference *LeaderShip 2021*, which was hosted in collaboration with the Bergen Shipowners' Association, with Roar Os Ådland as head of the organizing committee, and *CFO Forum*, which was held in Oslo, with Øystein Foros and Natalia Flórez Mejía in the organizing committee.

- Frode Sættem is an Associate Editor of the journal *Praktisk økonomi & finans*

External positions and society assignments

- Roar Os Ådland was a member of the strategy group *Maritim21*, and is a member of steering committee for LOGMS (Logistics and Maritime Systems), conference series, and a deputy member of the board of SNF AS
- Malin Arve is a member of the Swedish Competition Authority's council for research issues, chair of the board of the Procurement Academy (*Anskaffelsesakademiet*), a member of a committee that will look at the possibilities for simplifying regulations and reporting obligations in order to save the business community time and money and a member of the board of the SNF Foundation and the board of SNF AS
- Endre Bjørndal is a member of *UHR-ØA*
- Mette Bjørndal is chair of the board of the School of Economics and Business at the Norwegian University of Life Sciences (NMBU), a member of the board of *Finanstilsynet* (The Financial Supervisory Authority of Norway), a member of the Petroleum Price Board, a member of an expert council that resolves disputes for the gas transport system (until February 2021), a member of a committee that shall assess the development of the power grid and a member of *Teknisk beregningsutvalg for klima*
- Iver Bragelien is a member of *Lederlønnsutvalget*
- Trond Døskeland is a member of the board of the Finance Market Fund, a regularly attending alternate of the board of *Folketrygdfondet* (the National Insurance Scheme Fund), chair of the Risk Committee (Risikoutvalget) in *Folketrygdfondet* and a member of an expert group appointed by The Ministry of Finance to evaluate Norges Bank's active management of the Government Pension Fund Global (GPFGB)
- Gunnar S. Eskeland is a member of the board of *Energiomstilling Vest* (the knowledge hub on sustainable energy) and a member of *Ekspertutvalget for klimavennlige investeringer*
- Julio C. Góez is chair of the executive board of the Norwegian Operations Research Society (NORS) - and represents Norway in the International Federation of Operational Research Societies and in the Association of European Operational Research Societies
- Mario Guajardo is a member of the group of coordinators of the EURO (the Association of European Operational Research Societies) Working Group "OR in Sports" and the Chair of the IFORS (International Federation of Operational Research Societies) Prize for OR in Development
- Per Manne is the leader of *Nasjonalt fagorgan for metodefag* in *UHR-ØA*
- Jarle Møen is a member of The Nordic Tax Research Council and a member of *Skatteutvalget*
- Sigrid Lise Nonås is a member of the expert group on transportation and logistics in Bergen Chamber of Commerce and Industry
- Leif K. Sandal is a member of the board of Norwegian Marine University Consortium, CMU (part of European Marine Board), a deputy member of the board of *Energiomstilling Vest* (the knowledge hub on sustainable energy), a member of *NPU-Samfunn* and leader of *UHR-ØA publiseringsutvalg*
- Guttorm Schjelderup is a member of the Scientific Advisory Board at Mannheim Taxation (MaTax) Science Campus, University of Mannheim, a member of the Scientific Advisory Board at the Centre of Excellence (CoE) in Tax Systems Research (a joint cooperation between Tampere University, VATT, and University of Helsinki), a Research Fellow at CESifo, Munich, and a Research Fellow at Saïd Business School, University of Oxford
- Stein Ivar Steinshamn is a member of the Resource Group Knowledge in the Seafood Innovation Cluster, a member of *Meklingsnemnda for minstepriser i pelagisk sektor* and a member of the reference group of *Grøn region Vestland*
- Stein W. Wallace is a member of the board of EURO Working Group on Stochastic Programming, a member of Symposium Advisory Committee (SAC) of the Mathematical Optimization Society's conference in 2024, and a member of steering committee for LOGMS (Logistics and Maritime Systems), conference series