

Inventory of Sustainability Related Research (2019-2020). STARS defines Sustainability research as research and scholarship that explicitly addresses the concept of sustainability, furthers our understanding of the interdependence of ecological and social/economic systems, or has a primary and explicit focus on a major sustainability challenge.

	School of Public Administration, School of Information Management, School for Resource and Environmental Studies, Rowe School of Business, Business & Social Sciences	Charlebois, S.	<ul style="list-style-type: none"> •Food distribution •Food policy •Food safety •Food security 	Sustainable aquaculture and agro-ecosystems, UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 7. Affordable and Clean Energy, UN Sustainable Goal 9. Industry, Innovation and Infrastructure, UN Sustainable Goal 10. Reduced Inequalities, UN Sustainable Goal 11. No Poverty, UN Sustainable Goal 11. Sustainable Cities and Communities, UN Sustainable Goal 6. Clean Water and Sanitation, UN Sustainable Goal 12. Responsible Production and Consumption, UN Sustainable Goal 15. Life on Land, UN Sustainable Goal 2. Zero Hunger
Agriculture	Business and Social Sciences	Clark, S.	Economics and environment	
Agriculture	Business and Social Sciences	Dukeshire, S.	<ul style="list-style-type: none"> •Media framing of agriculture •Food choice •Local food •Rural health 	
Agriculture	Business and Social Sciences	Dunlop, D.	<ul style="list-style-type: none"> •International development •International food policy •Food trade policy 	

Agriculture	Business and Social Sciences	Hartt, C.		Building diverse, sustainable, responsible, smart organizations and communities, Sustainable aquaculture and agro-ecosystems, UN Sustainable Goal 11. Sustainable Cities and Communities, UN Sustainable Goal 12. Responsible Production and Consumption, UN Sustainable Goal 15. Life on Land, UN Sustainable Goal 9. Industry, Innovation and Infrastructure, UN Sustainable Goal 2. Zero Hunger, UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 8. Decent Work and Economic Growth, Sustainable and social entrepreneurship
Agriculture	Business and Social Sciences	Kevany, K.	<ul style="list-style-type: none"> •Well-being •Social change •Community development •Sustainable Diets and Food for 	
Agriculture	Business and Social Sciences	Lu, J.	Social and biophysical dimensions of resource and environmental sustainability	Building diverse, sustainable, responsible, smart organizations and communities, UN Sustainable Goal 11. Sustainable Cities and Communities, UN Sustainable Goal 12. Responsible Production and Consumption
Agriculture	Business and Social Sciences	Richard, T.	<ul style="list-style-type: none"> •Sustainable Agribusiness •Local Food 	
Agriculture	Business and Social Sciences	Yiridoe, E.	<ul style="list-style-type: none"> •Agricultural production economics •Resource and environmental economics 	

Agriculture	Engineering	Al-Mallahi, A.	Engineering systems for sustainable agricultural operations	Clean Tech, Energy, the Environment, Sustainable aquaculture and agro-ecosystems, UN Sustainable Goal 2. Zero Hunger, UN Sustainable Goal 9. Industry, Innovation and Infrastructure, UN Sustainable Goal 12. Responsible Production and Consumption, UN Sustainable Goal 11. Sustainable Cities and Communities
Agriculture	Engineering	Astatkie, T.	Methodological and applied research to address research challenges in various areas including agriculture, environment, hydrology and climate	
Agriculture	Engineering	Chang, Y.K.	Bio-systems	Automation & Robotics to improve the sustainability of the aquaculture and agriculture industry UN Sustainable Goal 2. Zero Hunger, Sustainable aquaculture and agro-ecosystems
Agriculture	Engineering	Esau, T.		Sustainable aquaculture and agro-ecosystems, Clean Tech, Energy, the Environment, Sustainable aquaculture and agro-ecosystems, UN Sustainable Goal 12. Responsible Production and Consumption, UN Sustainable Goal 13. Climate Action, UN Sustainable Goal 15. Life on Land

Agriculture	Engineering	Havard, P.	<ul style="list-style-type: none"> •Waste management •Environmental management •Energy •Energy efficiency •Sustainability •Conservation •Irrigation •Drainage •Water management and monitoring •Water quality 	
Agriculture	Engineering	He, Q.S.	<ul style="list-style-type: none"> •Biofuels/Bio-refinery •Extraction of Bio active compounds •Biodiesel •Biomass •Catalyst •Energy 	Sustainable aquaculture and agro-ecosystems, Clean Tech, Energy, the Environment, Renewable energy generation, storage and fuels, Sustainable aquaculture and agro-ecosystems, UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 6. Clean Water and Sanitation, UN Sustainable Goal 7. Affordable and Clean Energy, UN Sustainable Goal 9. Industry, Innovation and Infrastructure, UN Sustainable Goal 11. Sustainable Cities and Communities
Agriculture	Engineering	Martynenko, A.		UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 7. Affordable and Clean Energy, UN Sustainable Goal 10. Reduced Inequalities
Agriculture	Engineering	Nguyen-Quang, T.		Clean Tech, Energy, the Environment, UN Sustainable Goal 6. Clean Water and Sanitation, UN Sustainable Goal 13. Climate Action, UN Sustainable Goal 3. Good Health and Well-Being

Agriculture

Engineering

Niu, H.

- Water management and monitoring
- Water quality
- Sustainability
- Waste management
- Environmental management
- Irriga on
- Drainage
- Organic contaminants
- Water resources
- Hydrology
- Wastewater
- Soil Science
- Waste management
- Environmental management
- Organic contaminants
- Wastewater treatment
- Biosystems modeling
- Water quality
- Soil or.950u@003Tj/TT21Tf.230TD.0027e•Environmental

Agriculture

Engineering

Price, G.W.

Agriculture

Plant, Food, and
Environmental Sciences

Abbey, L.

- Health-based sustainable food systems and food security
- Vegetable and fruit production
- Domestication of native and wild plants in diversified systems
- Soil nutrient management systems
- Plant response to biotic and abiotic stress factors
- Value addition to compost and compost utilization

Clean Tech, Energy, the Environment,

Agriculture	Plant, Food, and Environmental Sciences	Braiden, H.	<ul style="list-style-type: none"> •Green Infrastructure •Commodification of landscapes •Post-industrial and post-mining landscapes 	
Agriculture	Plant, Food, and Environmental Sciences	Burton, D.	Production and consumption of greenhouse gases in natural and agricultural landscapes, sustainable manure management practices, bioremediation of hydrocarbon contaminated soil and the assessment of the quality of the soil biological environment and its influence on overall soil quality	Sustainable aquaculture and agro-ecosystems, Healthy People, Healthy Communities, Healthy Populations, Social and biophysical dimensions of resource and environmental sustainability, Soil Health, Carbon Sequestration; Resiliency; Valuation of Natural Capital; climate adaptation and mitigation, UN Sustainable Goal 2. Zero Hunger, UN Sustainable Goal 6. Clean Water and Sanitation, UN Sustainable Goal 12. Responsible Production and Consumption, UN Sustainable Goal 13. Climate Action, UN Sustainable Goal 15. Life on Land, UN Sustainable Goal 5. Gender Equality, UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 11. Sustainable Cities and Communities
Agriculture	Plant, Food, and Environmental Sciences	Caldwell, C.		Sustainable agriculture, UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 9. Industry, Innovation and Infrastructure, UN Sustainable Goal 11. Sustainable Cities and Communities
Agriculture	Plant, Food, and Environmental Sciences	Cutler, G.C.	<ul style="list-style-type: none"> •Pollinator risk assessment •Insect toxicology •Conservation biological control •Wild pollinator and natural enemy ecology 	Sustainable aquaculture and agro-ecosystems, UN Sustainable Goal 15. Life on Land

Agriculture

Plant, Food, and
Environmental Sciences

France, R.

- Aquatic repercussions of riparian forestry
- Effects of urbanization on the integrity of stream fish communities
- Response of lakes, ponds and wetlands to shoreline development

Agriculture

Plant, Food, and
Environmental Sciences

Heung, B.

Clean water, clean soil, clean air, Clean Tech, Energy, the Environment; UN Sustainable Goal 13. Climate Action; UN Sustainable Goal 15. Life on Land, UN Sustainable Goal 2. Zero Hunger, UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 6. Clean Water and Sanitation, UN Sustainable Goal 9. Industry, Innovation and Infrastructure, UN Sustainable Goal 14. Life Below Water, UN Sustainable Goal 8. Decent Work and Economic

Agriculture	Plant, Food, and Environmental Sciences	Lynch, D.	<ul style="list-style-type: none"> •Agroecology •Farming Systems •Organic Agriculture •Nutrient Management •Soil Quality and Soil Health •Pasture renovation and management 	
Agriculture	Plant, Food, and Environmental Sciences	McLean, N.	<ul style="list-style-type: none"> •Low cost soil and crop improvement 	
Agriculture	Plant, Food, and Environmental Sciences	Nams, V.O.	Spatial scale of habitat selection of animals - studied by fractal analysis of foraging paths and other types of	
Agriculture	Plant, Food, and Environmental Sciences	Percival, D.	<ul style="list-style-type: none"> •Environmental regulation of carbon assimilation and metabolism (i.e., source-sink relationships) •Impact of environmental stresses on phytochemistry, growth and 	Sustainable aquaculture and agro-ecosystems, UN Sustainable Goal 12. Responsible Production and Consumption, UN Sustainable Goal 13. Climate Action, UN Sustainable Goal 15. Life on Land,

Agriculture	Animal Science and Aquaculture	Adewole, D.	Poultry nutrition and the environment	Healthy People, Healthy Communities, Healthy Populations, Food Security, UN Sustainable Goal 9. Industry, Innovation and Infrastructure, UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 12. Responsible Production and Consumption
Agriculture	Animal Science and Aquaculture	Barrett, D.		UN Sustainable Goal 1. No Poverty, UN Sustainable Goal 2. Zero Hunger
Agriculture	Animal Science and Aquaculture	Clark, F.		Sustainable Ocean, Changing climate effects on the ocean, Marine risk evaluation, UN Sustainable Goal 6. Clean Water and Sanitation, UN Sustainable Goal 14. Life Below Water, Marine biodiversity and wild catch fisheries
Agriculture	Animal Science and Aquaculture	Collins, S.	Sustainable sources of food for present and future generations of humans and animals	UN Sustainable Goal 2. Zero Hunger, UN Sustainable Goal 3. Good Health and Well-Being, United States, UN Sustainable Goal 11. Sustainable Cities and Communities
Agriculture	Animal Science and Aquaculture	Colombo, S.	<ul style="list-style-type: none"> • Environmentally sustainable feeds • Impact of climate change on nutrient availability • Metabolism in aquaculture/ecosystems 	Sustainable aquaculture and agro-ecosystems, UN Sustainable Goal 14. Life Below Water, UN Sustainable Goal 2. Zero Hunger, Clean Tech, Energy, the Environment, Sustainable Ocean, UN Sustainable Goal 4. Quality Education, UN Sustainable Goal 12. Responsible Production and Consumption, UN Sustainable Goal 15. Life on Land
Agriculture	Animal Science and	Fredeen,		

Agriculture	Animal Science and Aquaculture	Meagher, R.		UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 15. Life on Land
Agriculture	Animal Science and Aquaculture	Miar, Y.		Sustainable aquaculture and agro-ecosystems, UN Sustainable Goal 9. Industry, Innovation and Infrastructure, UN Sustainable Goal 8. Decent Work and Economic Growth, UN Sustainable Goal 11. Sustainable Cities and Communities
Agriculture Agriculture	Animal Science and Animal Science and Aquaculture	Patterson, D. Stewart-Clark, S.	Farm animal biodiversity Shellfish transcriptomic responses to environmental stressors	Cultural and social d936Cpmnt
Architecture & Planning	Architecture	Cavanagh, E.		

Architecture & Planning

Architecture

Fitzgerald, S.

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Architecture & Planning	Planning	Habib, A.	Transportation design management	
Architecture & Planning	Planning	Hostovsky, C.	<ul style="list-style-type: none"> •Sustainable and Equitable City Infrastructure – Municipal Solid-Waste Management (3Rs), Transportation, Pedestrian and Cycling Design, Potable Water/Wastewater •Environmental Planning & Impact Assessment/Greenway Planning/Resilience •Transit-Oriented Development, Travel Demand Management •Land Use Planning - New Urbanism, Official Plans & Zoning, Urban Design •Environmental Planning for First Nations – Traditional Land and 	
Architecture & Planning	Planning	Macedo, J.	•Urban planning and sustainability	
Architecture & Planning	Planning	Manuel, P.	Environmental planning with a focus on climate change adaptation planning, wetlands interpretation and management, watershed planning and management, and	
Architecture & Planning, Medicine	Planning, Department of Community Health and Epidemiology	Terashima, M.	Methods of measuring various social and built environmental forces that create systematic inequalities in health and well-being among different groups of people across different places	UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 10. Reduced Inequalities, UN Sustainable Goal 11. Sustainable Cities and Communities
Architecture & Planning	Planning	Thomas, R.	Transportation policy and planning	

Founding

Arts & Social Sciences

English

Haslam, J.

Arts & Social Sciences	History, Sociology and Social Anthropology	Cooper, A.	Social justice and inequality African diaspora Body and embodiment Critical race theory Decolonizing studies and methodologies Gender Slavery, abolition and freedom Africa	
Arts & Social Sciences	History, International Development Studies	Parasram, A.	Colonial, Postcolonial, Anti-Colonial, Settler-colonial studies, and Decolonial options Critical development studies and global history Racial fragility and structural white supremacy	
Arts & Social Sciences	History	Wright, A.		Clean Tech, Energy, the Environment, UN Sustainable Goal 15. Life on Land
Arts & Social Sciences	International Development Studies	Cameron, J.D.	<ul style="list-style-type: none"> •Advocacy strategies of Civil Society Organizations •Public Engagement strategies and representations of 'development' in the global North •Cosmopolitan theory and global citizenship •Indigenous and peasant social movement •Andean poli cs (Bolivia, Ecuador, 	UN Sustainable Goal 1. No Poverty, UN Sustainable Goal 13. Climate Action, UN Sustainable Goal 17. Partnerships for the Goals

Arts

Arts & Social Sciences	Political Science	Arthur, P.	<ul style="list-style-type: none"> • African Politics and development • Conflict and cooperation in extractive sectors • Global development • Post-conflict reconstruction and transitional justice <p>Global Justice and International Ethics, Forced Migration and Refugee Studies</p>	<p>Immigration and migration settlement and integration, Ethics and social justice, UN Sustainable Goal 16. Peace, Justice and Strong Institutions, UN Sustainable Goal 8. Decent Work and Economic Growth, UN Sustainable Goal 10. Reduced Inequalities, UN Sustainable Goal</p>
Arts & Social Sciences	Political Science	Banerjee, K.		

Arts & Social Sciences	Political Science, Gender and Women's Studies	Denike, M.	<ul style="list-style-type: none"> •Feminist and queer philosophies •Human rights (theory, institutions, politics) •Political activism of sexual and racial minorities •State-sanctioned discrimination 	
Arts & Social Sciences	Political Science	Fierlbeck, K.	<ul style="list-style-type: none"> •Human rights (theory, institutions, politics) •State-sanctioned discrimination <p>Canadian social union Comparative health policy Health care politics Healthcare governance</p> <ul style="list-style-type: none"> •Critical perspectives on economic growth: politics of sufficiency •Alternative measurements of prosperity and wellbeing ("Beyond GDP") 	UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 9. Industry, Innovation and Infrastructure, United States, UN Sustainable Goal 10. Reduced Inequalities
Arts & Social Sciences	Political Science	Hayden, A.	<ul style="list-style-type: none"> •Ecological modernization / green growth •Sustainable consumption <p>Politics of resource extraction and development, the politics of community inclusion and exclusion in governance, gender and diversity analysis as tools for policymaking, and the politics of sexual and gender-</p>	
Arts & Social Sciences	Political Science	Manning, S.	<ul style="list-style-type: none"> •Indigenous Global Politics •Arc Studies 	
Arts & Social Sciences	Political Science	Sarson, L.		

Arts & Social Sciences

Political Science

Zaiotti, R.

Immigration and migration settlement and integration, UN Sustainable Goal 10. Reduced Inequalities, UN Sustainable Goal 16. Peace, Justice and Strong Institutions. UN Sustainable Goal 4. Quality Education, UN Sustainable Goal 11. Sustainable

Economy, work and development

Sustainable aquaculture and agro-ecosystems, Healthy People, Healthy Communities, Healthy Populations, Building diverse, sustainable, responsible, smart organizations and communities, Community, population and Indigenous health and well-being, Changing climate effects on the ocean, Cultural and social development of coastal landscapes and communities, Clean water, clean soil, clean air, UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 8. Decent Work and Economic Growth, UN Sustainable Goal 4. Quality Education, Building diverse, sustainable, responsible, smart organizations and communities, UN Sustainable Goal 10. Reduced Inequalities, UN Sustainable Goal 11. Sustainable Cities and Communities, UN Sustainable Goal 12. Responsible Production and Consumption

Arts & Social Sciences

Sociology and Social Anthropology

Foster, K.

Arts & Social Sciences

Sociology and Social Anthropology

Gambold, L.

- Economy, work and development
- Critical health studies
- Gender and sexuality

Arts & Social Sciences	Sociology and Social Anthropology	Guy, J-S.	<ul style="list-style-type: none"> •Economy, work and development •Globaliza on 	
Arts & Social Sciences	Sociology and Social	Helland, C.	Social justice and inequality	
Arts & Social Sciences	Sociology and Social Anthropology	Martin, F.S.	<ul style="list-style-type: none"> •Gender •Poverty and social marginaliza on 	
Arts & Social Sciences	Sociology and Social Anthropology	Noble, B.	<ul style="list-style-type: none"> •Social jus ce and inequality •Decolonizing studies and methodologies •Indigenous peoples 	
Arts & Social Sciences	Sociology and Social Anthropology	Oakley, R.	<ul style="list-style-type: none"> •Race and Ethnicity •Decolonizing Studies and Methodologies •Social Jus ce and Inequality 	UN Sustainable Goal 3. Good Health and Well-Being
Arts & Social Sciences	Sociology and Social	Radice, M.	•Social jus ce and inequality	
Arts & Social Sciences	Sociology and Social Anthropology	Robinson, M.	<ul style="list-style-type: none"> •Social jus ce and inequality •Indigenous peoples •Gender •Substance use •Food & food movements 	
Arts & Social Sciences	Sociology and Social Anthropology	Whelan, E.		Healthy People, Healthy Communities, Healthy Populations, Community, population and Indigenous health and well-being, UN Sustainable Goal 10. Reduced Inequalities, UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 4. Quality Education, UN Sustainable Goal 5. Gender Equality
Arts & Social Sciences	Sociology and Social Anthropology	Yoshida, Y.	<ul style="list-style-type: none"> •Social jus ce and inequality •Ethnicity •Race •Migra on - immigra on 	

Engineering

Engineering

Civil and Resource
Engineering

Jamieson, R.

- Hydrology
- Ecological engineering
- Contaminant transport
- Watershed modelling
- Alternative wastewater treatment

Clean water, clean soil, clean air, Health and
Wellness, water resources, wastewater,

Engineering	Civil and Resource Engineering	Liu, L.	Simulation-optimization modeling for groundwater management, site remediation system design, modeling of air/water/waste pollution control systems, and	Healthy People, Healthy Communities, Healthy Populations, UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 11. Sustainable Cities and Communities
Engineering	Civil and Resource Engineering	Liu, Y.		UN Sustainable Goal 9. Industry, Innovation and Infrastructure, UN Sustainable Goal 11. Sustainable Cities and Communities, UN Sustainable Goal 15. Life on Land
Engineering	Civil and Resource Engineering	Newhook, J.		Clean and NextGen materials, Clean Tech, Energy, the Environment, UN Sustainable Goal 11. Sustainable Cities and Communities, UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 9. Industry, Innovation and Infrastructure
Engineering	Civil and Resource Engineering	Nouman, A.	Use of recycled materials in highway construction, pavement design and management,	

Engineering	Civil and Resource Engineering	Sadeghian, P.	Innovative and more sustainable solutions that can be applied to different features of civil engineering infrastructure; including buildings, bridges, water front structures, and underground structures; specially those ones interacting with soil and	UN Sustainable Goal 9. Industry, Innovation and Infrastructure, UN Sustainable Goal 11. Sustainable Cities and Communities, UN Sustainable Goal 13. Climate Action
Engineering	Civil and Resource Engineering	Satish, M.	Application of boundary element techniques for studying pollutant movement in the Halifax Harbour	
Engineering	Civil and Resource Engineering	Stoddart, A.	Water Quality and Treatment	Sustainable Ocean, Healthy People, Healthy Communities, Healthy Populations, Clean Tech, Energy, the Environment, Clean water, clean soil, clean air, Nano plastic, Microplastic, Microfiber, Municipal wastewater, Field flow fractionation, Trace metals, Marine and environmental law, and Hazardous Waste

Engineering

Civil and Resource
Engineering

Walsh, M.

- Filter backwash water (FBWW) recovery

Engineering

Electrical & Computer Engineeri

Cada, M.

Ocean engineering, networks,
communications, materials and tidal energy,
Renewable energy generation, storage and
fuels, Clean and NextGen materials, UN
Sustainable Goal 4. Quality Education, UN
Sustainable Goal

Engineering	Electrical & Computer Engineering	Sieben, V.		Sustainable Ocean, Sustainable aquaculture and agro-ecosystems, Clean water, clean soil, clean air, Food Security, Changing climate effects on the ocean, Ocean engineering, networks, communications, materials and tidal energy, UN Sustainable Goal 11. Sustainable Cities and Communities, UN Sustainable Goal 12. Responsible Production and Consumption, UN Sustainable Goal 6. Clean Water and Sanitation, UN Sustainable Goal 13. Climate Action, UN Sustainable Goal 14. Life Below Water
Engineering	Engineering Mathematics & Internetworking, Civil and Resource Engineering	Fenton, G.	<ul style="list-style-type: none"> •E ffects of climate change on climatic loads •Risks associated with carbon capture and storage 	UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 9. Industry, Innovation and Infrastructure, UN Sustainable Goal 11. Sustainable Cities and Communities
Engineering, Science	Engineering Mathematics & Internetworking, Oceanography	Gentleman, W.C.	Research aims to improve our understanding of how varying environmental conditions effect the structure and function of marine ecosystems and populations	UN Sustainable Goal 14. Life Below Water, Sustainability, Conservation, Population Connectivity, Models, Sustainable Ocean Conservation of Marine Biodiversity

Engineering	Industrial Engineering	Cyrus, J.		Sustainable Ocean, Healthy People, Healthy Communities, Healthy Populations, Clean Tech, Energy, the Environment, Community Development, Food Security, Indigenous Research, UN Sustainable Goal 4. Quality Education, UN Sustainable Goal 8. Decent Work and Economic Growth, UN Sustainable Goal 3. Good Health and Well-Being
Engineering	Industrial Engineering	Diallo, C.	<ul style="list-style-type: none"> •Remanufacturing and Sustainability •Closed Loop Supply Chains Design and Management 	UN Sustainable Goal 9. Industry, Innovation and Infrastructure, UN Sustainable Goal 3. Good Health and Well-Being
Engineering	Industrial Engineering	Goerlandt, F.	<ul style="list-style-type: none"> •Oil Spills from Ships •Oil Spill Response •Arctic Shipping 	Sustainable Ocean, Building diverse, sustainable, responsible, smart organizations and communities, UN Sustainable Goal 3. Good Health and Well-Being, Changing climate effects on the ocean, Marine and environmental law, policy and governance, Clean water, clean soil, clean air, UN Sustainable Goal 6. Clean Water and Sanitation, UN Sustainable Goal 9. Industry, Innovation and Infrastructure, UN Sustainable Goal 11. Sustainable Cities and Communities, UN Sustainable Goal 13. Climate Action, UN Sustainable Goal 14. Life Below Water

Engineering	Industrial Engineering	Kamal, N.		Healthy People, Healthy Communities, Healthy Populations, Community, population and Indigenous health and well-being, UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 8. Decent Work and Economic Growth, UN Sustainable Goal 10. Reduced Inequalities
Engineering, Science	Industrial Engineering, Marine Affairs	Pelot, R.	<ul style="list-style-type: none"> •Maritime Traffic Modelling and Risk Analysis •Arctic Shipping •Search and Rescue Planning •Environment Risk Analysis •Coastal Zone Management •Carbon Capture and Storage Risks 	UN Sustainable Goal 9. Industry, Innovation and Infrastructure
Engineering	Industrial Engineering	Saif, A.	<ul style="list-style-type: none"> •Sustainable Supply Chains •Hybrid Renewable Energy Systems 	Healthy People, Healthy Communities, Healthy Populations, Marine and environmental law, policy and governance, UN Sustainable Goal 9. Industry, Innovation and Infrastructure, UN Sustainable Goal 11. Sustainable Cities and Communities UN Sustainable Goal 3. Good Health and Well-Being,
Engineering, Management	Industrial Engineering, Rowe School of Business, School for Resource and Environmental Studies	Ülkü, A.	Development of practical logistics policies for green supply chains, and such interdisciplinary topics as behavioural issues in operations management, sustainable	

Engineering	Industrial Engineering	Vanberkel, P.		Healthy People, Healthy Communities, Healthy Populations, UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 9. Industry, Innovation and Infrastructure, UN Sustainable Goal 10. Reduced Inequalities.
Engineering	Industrial Engineering	Venkatadri, U.		Clean Tech, Energy, the Environment, UN Sustainable Goal 9. Industry, Innovation and Infrastructure, UN Sustainable Goal 11. Sustainable Cities and Communities, UN Sustainable Goal 12. Responsible Production and Consumption. UN Sustainable Goal 8. Decent Work and Economic Growth
Engineering	Mechanical Engineering	Allen, P.	<ul style="list-style-type: none"> •Solar thermal energy utilization •Liquid flat-plate collectors •Manufacture of solar thermal 	
Engineering	Mechanical Engineering	Bishop, D.P.		Clean Tech, Energy, the Environment, Clean and NextGen materials, UN Sustainable Goal 9. Industry, Innovation and Infrastructure
Engineering	Mechanical Engineering	Corbin, S.F.		Clean Tech, Energy, the Environment, Clean and NextGen materials, UN Sustainable Goal 4. Quality Education, UN Sustainable Goal 9. Industry, Innovation and Infrastructure,
Engineering	Mechanical Engineering	Doman, D.		Clean and NextGen materials, UN Sustainable Goal 9. Industry, Innovation and Infrastructure

Engineering	Mechanical Engineering, Process Engineering & Applied Science	Farhat, Z.	UN Sustainable Goal 4. Quality Education, UN Sustainable Goal 7. Affordable and Clean Energy, UN Sustainable Goal 9. Industry, Innovation and Infrastructure
Engineering	Mechanical Engineering	Groulx, D.	UN Sustainable Goal 7. Affordable and Clean Energy, UN Sustainable Goal 11. Sustainable Cities and Communities
Engineering	Mechanical Engineering	Johnston, C.	Healthy People, Healthy Communities, Healthy Populations, Sustainable Ocean, Ocean engineering, networks, communications, materials and tidal energy, Clean and NextGen materials, UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 9. Industry, Innovation and Infrastructure, UN Sustainable Goal 12. Responsible Production and Consumption, UN Sustainable Goal 7. Affordable and Clean Energy, UN Sustainable Goal 11. Sustainable Cities and Communities
Engineering	Mechanical Engineering	Joseph, A.	<ul style="list-style-type: none"> •Sustainable energy •“Smart” energy systems •Energy control

Engineering	Mechanical Engineering	Nasiri, A.		Clean and NextGen materials, Clean Tech, Energy, the Environment, Sustainable Ocean, UN Sustainable Goal 9. Industry, Innovation and Infrastructure
			<ul style="list-style-type: none"> •Renewable energy (solar, wind, tidal) •Energy storage <ul style="list-style-type: none"> oManagement methodologies oTemporally shifting loads for demand side management (DSM) oStore variable renewable energy oLithium-ion and lead-acid chemistries •Electric vehicles <ul style="list-style-type: none"> oBattery energy storage oElectric drive systems 	
Engineering	Mechanical Engineering	Swan, L.		Clean Tech, Energy, the Environment, Renewable energy generation, storage and fuels, UN Sustainable Goal 7. Affordable and Clean Energy, UN Sustainable Goal 9. Industry, Innovation and Infrastructure, UN Sustainable Goal 11. Sustainable Cities and Communities
				Healthy People, Healthy Communities, Healthy Populations, Ocean engineering, networks, communications, materials and tidal energy, Changing climate effects on the ocean, UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 9. Industry, Innovation and Infrastructure, UN Sustainable Goal 12. Responsible Production and Consumption, UN Sustainable Goal 13. Climate Action, UN Sustainable Goal 16. Peace, Justice
Engineering	Mechanical Engineering	Seto, M.		

Engineering	Mechanical Engineering	Ugursal, I.	<ul style="list-style-type: none"> •Energy •Thermo/Fluids •Energy System Modeling •Residential Energy Consumption •Advanced Power Cycles 	
Engineering	Process Engineering & Applied Science	Brooks, S.	Waste utilization and treatment	UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 12. Responsible Production and Consumption, Clean Tech, Energy, the Environment, Bio-products and bio-resources
Engineering	Process Engineering & Applied Science	Budge, S.M.		Changing climate effects on the ocean, Bio-products and bio-resources, Sustainable aquaculture and agro-ecosystems, UN Sustainable Goal 5. Gender Equality, UN Sustainable Goal 14. Life Below Water, UN Sustainable Goal 3. Good Health and Well-Being,
Engineering	Process Engineering & Applied Science	Donaldson, A.		Sustainable aquaculture and agro-ecosystems, Renewable energy generation, storage and fuels, Clean Tech, Energy, the Environment, Clean water, clean soil, clean air, UN Sustainable Goal 9. Industry, Innovation and Infrastructure, UN Sustainable Goal 2. Zero Hunger, UN Sustainable Goal 4. Quality Education, UN Sustainable Goal 6. Clean Water and Sanitation, UN Sustainable Goal 12. Responsible Production and Consumption, UN Sustainable Goal 17. Partnerships for the Goals, UN Sustainable Goal 3. Good Health and Well-Being

Engineering	Process Engineering & Applied Science	Haelssig, J.B.	Improving energy demanding separation processes, specifically focusing on biofuels production processes.	Marine risk evaluation, Clean Tech, Energy, the Environment, UN Sustainable Goal 9. Industry, Innovation and Infrastructure, UN Sustainable Goal 7. Affordable and Clean Energy
Engineering	Process Engineering & Applied Science	Kermanshahi-Pour, A.	<ul style="list-style-type: none"> •Bioenergy •Natural products extraction •Biodegradation pathway of contaminants •Bioremediation of contaminants 	Clean Tech, Energy, the Environment, UN Sustainable Goal 2. Zero Hunger, UN Sustainable Goal 6. Clean Water and Sanitation, UN Sustainable Goal 7. Affordable and Clean Energy
Engineering	Process Engineering & Applied Science	Scott, A.		Clean Tech, Energy, the Environment, Clean water, clean soil, clean air, Clean and NextGen materials, UN Sustainable Goal 12. Responsible Production and Consumption, UN Sustainable Goal 6. Clean Water and Sanitation, UN Sustainable Goal 9. Industry, Innovation and Infrastructure
Engineering	Process Engineering & Applied Science	Sokolenko, S.		Clean Tech, Energy, the Environment, UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 9. Industry, Innovation and Infrastructure, UN Sustainable Goal 12. Responsible Production and Consumption
Law	Law	Baxter, J.		UN Sustainable Goal 2. Zero Hunger, UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 10. Reduced Inequalities

Law, Science, Arts & Social
Sciences

Law,
Marine

Law
Law, Science

Law
Law,
Marine Affairs

MacIntosh, C.
McConnell, M.

- Indigenous health governance
- Environmental

Law

Law

Seck, S.

- Business, Human Rights & Environment
- International Environmental Law
- Sustainable Development & Natural Resources Law
- Climate Justice

Marine and environmental law, policy and governance, Reconciliation and Indigenous peoples, Changing climate effects on the ocean, Social and biophysical dimensions of resource and environmental sustainability, Ethics and social justice, UN Sustainable Goal 13. Climate Action, UN Sustainable Goal 5. Gender Equality, UN Sustainable Goal 15. Life on Land, UN Sustainable Goal 16. Peace, Justice and Strong Institutions, UN Sustainable Goal 17. Partnerships for the Goals, UN Sustainable Goal 14. Life Below Water, UN Sustainable Goal 7. Affordable and Clean Energy, UN Sustainable Goal 8. Decent Work and Economic Growth, UN Sustainable Goal 12. Responsible Production and Consumption

Law, Science

Law,
Marine Affairs

Vanderzwaag, D.

- Environmental law
- International environmental law
- Fisheries law and policy
- Transboundary resource management
- Species Affairs

W. Vanderzwaag, 25.285p00
Vanle8rples,

Law

Law

Wildeman, S.

Healthy People, Healthy Communities, Healthy Populations, UN Sustainable Goal 1. No Poverty, UN Sustainable Goal 4. Quality Education, UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 5. Gender Equality, UN Sustainable Goal 10. Reduced Inequalities, UN Sustainable Goal 11. Sustainable Cities and Communities, UN Sustainable Goal 17. Partnerships for the Goals, UN Sustainable Goal 16. Peace, Justice and Strong Institutions

Management

Information Management

MacDonald, B.

Environment management, fisheries management, grey literature, information networks, information use and influence, integrated coastal and oceans management, marine and oceans issues, marine governance, public policy and decision making, science-policy

Management	Information Management	Toze, S.		Healthy People, Healthy Communities, Healthy Populations, Community, population and Indigenous health and well-being, Sustainable aquaculture and agro-ecosystems, Building diverse, sustainable, responsible, smart organizations and communities, Sustainable and social entrepreneurship, UN Sustainable Goal 8. Decent Work and Economic Growth, UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 9. Industry, Innovation and Infrastructure, UN Sustainable Goal 11. Sustainable Cities and Communities, UN Sustainable Goal 10. Reduced Inequalities
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Management

School for Resource and Environmental Studies

Adams, M.

- Policy
- Industrial sustainability
- Renewable energy
- Industrial ecology
- Industrial symbiosis
- Resource efficiency
- Sustainable development
- Public engagement

Clean Tech, Energy, the Environment, Building diverse, sustainable, responsible, smart organizations and communities, Food Security, Food policy, access and distribution, Healthy People, Healthy Communities, Healthy Populations, Clean Tech, Energy, the Environment, Clean water, clean soil, clean air, Social and biophysical dimensions of resource and environmental sustainability, UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 9. Industry, Innovation and Infrastructure, UN Sustainable Goal 11. Sustainable Cities and Communities, UN Sustainable Goal 14. Life Below Water, UN Sustainable Goal 2. Zero Hunger, UN Sustainable Goal 8. Decent Work and Economic Growth, UN Sustainable Goal 10. Reduced Inequalities, UN Sustainable Goal 12. Responsible Production and Consumption, UN Sustainable Goal 13. Climate Action, UN Sustainable Goal 6. Clean Water and Sanitation,

Management

School for Resource and Environmental Studies

Beazley, K.

- Biodiversity
- Ecosystems
- Indigenous

Management

School for Resource and
Environmental Studies

Côté, R.P.

- Interdisciplinary management of chemicals

Management

School for Resource and
Environmental Studies

Sherren, K.

- Climate

Management

School

Management	Rowe School of Business	Beaubien, L.		International development, agriculture, and food technology, Sustainable and social entrepreneurship, Clean Tech, Energy, the Environment, Healthy People, Healthy Communities, Healthy Populations, Sustainable aquaculture and agro-ecosystems, Clean and NextGen materials, Renewable energy generation, storage and fuels, Ocean engineering, networks, communications, materials and tidal energy, UN Sustainable Goal 9. Industry, Innovation and Infrastructure, UN Sustainable Goal 5. Gender Equality, UN Sustainable Goal 8. Decent Work and Economic Growth, UN Sustainable Goal 11. Sustainable Cities and Communities UN Sustainable Goal 1. No Poverty, UN Sustainable Goal 4. Quality Education, UN Sustainable Goal 10. Reduced Inequalities
Management	Rowe School of Business	Carvalho, S.		UN Sustainable Goal 10. Reduced Inequalities, UN Sustainable Goal 12. Responsible Production and Consumption, UN Sustainable Goal 3. Good Health and Well-Being
Management	Rowe School of Business	Crumley, E.T.		UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 6. Clean Water and Sanitation, UN Sustainable Goal 9. Industry, Innovation and Infrastructure
Management	Rowe School of Business	Cunningham, P.	Ethics and corporate social	
Management	Rowe School of Business	Fooladi, I.	Sustainable value creation	

Management, Medicine

Rowe School of Business,
Department of Community
Health and Epidemiology,
School for

Management	Rowe School of Business	Williams, K.	<ul style="list-style-type: none"> •Corporate social responsibility •Sustainability 	Sustainable and social entrepreneurship, Ethics and social justice, UN Sustainable Goal 4. Quality Education, Sustainable and social entrepreneurship, UN Sustainable Goal 13. Climate Action, UN Sustainable Goal 11. Sustainable Cities and Communities, UN Sustainable Goal 17. Partnerships for the Goals
Management	Rowe School of Business	Ülkü, M.A.		UN Sustainable Goal 9. Industry, Innovation and Infrastructure, UN Sustainable Goal 12. Responsible Production and Consumption, UN Sustainable Goal 13. Climate Action, Building diverse, sustainable, responsible, smart organizations and communities, UN Sustainable Goal 11. Sustainable Cities and Communities,
Science	Biology	Bentzen, P.	Conservation	Sustainable Ocean, Marine biodiversity and wild catch fisheries, UN Sustainable Goal 14. Life Below Water
Science	Biology	Bertrand, E.		Changing climate effects on the ocean, Sustainable Ocean, UN Sustainable Goal 13. Climate Action, UN Sustainable Goal 14. Life Below Water. 1.1 Changing climate effects on the ocean, Sustainable Ocean
Science	Biology	Ferrier, J.	<ul style="list-style-type: none"> •Ethnobotany •Metabolomics •Indigenous Studies 	

Science

Biology

Hutchings, J.

Conservation biology

UN Sustainable Goal 14. Life Below Water, Sustainable Ocean, Changing climate effects on the ocean, Sustainable aquaculture and agro-ecosystems, UN Sustainable Goal 13. Climate Action, UN Sustainable Goal 14. Life Below Water
UN Sustainable Goal 9. Industry, Innovation and Innovation

Science

Biology

Iverson, S.

Science

Biology

MacNeil, A.

- Fisheries
- Conservation
- Statistics
- Social-ecological systems

Sustainable Ocean, Changing climate effects
on the

Science

Biology

Tittensor, D.

- Marine Biodiversity:
- Marine macroecology
- Conservation science

Sustainable Ocean, Healthy People, Healthy Communities, Healthy Populations, Clean Tech, Energy, the Environment, Marine Ecosystems, Climate Future, Biodiversity, Changing climate effects on the ocean, Social and biophysical dimensions of resource and environmental sustainability, Food Security, Marine biodiversity and wild catch fisheries, Marine biodiversity and wild catch fisheries, UN Sustainable Goal 13.

Science

Chemistry

Chitnis, S.

Clean Tech, Energy, the Environment, Healthy People, Healthy Communities, Healthy Populations, UN Sustainable Goal 7. Affordable and Clean Energy, UN Sustainable Goal 4. Quality Education, UN Sustainable Goal 7. Affordable and Clean Energy, UN Sustainable Goal 9. Industry, Innovation and Infrastructure, UN Sustainable Goal 3. Good Health and Well-Being

Science

Chemistry,
Physics & Atmospheric
Science

Dahn, J.

Science

Earth and Environmental
Sciences

Brenan, J.

Clean Tech, Energy, the Environment,
Development of Indigenous and rural
communities, UN Sustainable Goal 1. No
Poverty, UN Sustainable Goal 2. Zero Hunger,
UN Sustainable Goal 4. Quality Education, UN
Sustainable Goal 7. Affordable and Clean
Energy, UN Sustainable Goal 8. Decent Work
and

Science

Earth and Environmental Sciences

Gosse, J.

Influences of climate change, particularly the Pliocene-Quaternary change) on landscape change.

climate change, Healthy People, Healthy Communities, Healthy Populations, UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 13. Climate Action UN Sustainable Goal 11. Sustainable Cities and Communities, UN Sustainable Goal 13. Climate Action, Marine risk evaluation

Science

Earth and Environmental Sciences

Grujic, D.

•Understand the processes controlling sediment transport, partitioning, accumulation and remobilization, in a source to sink perspective;

•Decipher the signature of sea level, climate and tectonics from the sedimentary record;

•Investigate the effects of extreme events on margin evolution;

•Quantify the response, and feedback, of modern depositional events on

in Goal

in Action

Goal

Earth and

13. Climate

on 13. Climate

Action

Sciences

Science

Earth and Environmental Sciences

Maselli, V.

extreme

13. CI22616.37c4j/TT11Tf3.10

Science

Earth and Environmental
Sciences

Ryan, A.M.

Environmental geochemistry, in
particular, metals in urban soils
Metals and radionuclides in waters

Science

Earth and Environmental
Sciences

Sherwood,

Science

Earth and Environmental
Sciences

Wright, T.

Social and biophysical dimensions of resource
and environmental sustainability, UN
Sustainable Goal 17. Partnerships for the
Goals

Science

Economics

Akbulut-Yuksel, M.

UN Sustainable Goal 5. Gender Equality, UN
Sustainable Goal 8. Decent Work and
Economic Growth, UN Sustainable Goal 9.
Industry, Innovation and Infrastructure

Science

Economics

Boulatoff, C.

Environmental economics

Science

Economics

Burton, P.

Environmental economics

Science

Economics

Forsdyke, R.

Environmental economics

Science

Marine

Science

Marine

Science

Marine Affairs

Filgueira, R.

Science

Marine Affairs

Schmidt, J.

- Fisheries systems

Sustainable Ocean, Changing climate effects

Science

Mathematics and Statistics

Mills Flemming, J.

Science	Oceanography	Buchwald, C.		UN Sustainable Goal 13. Climate Action, UN Sustainable Goal 14. Life Below Water
Science	Oceanography	Cullen, J.		UN Sustainable Goal 13. Climate Action, UN Sustainable Goal 14. Life Below Water, UN Sustainable Goal 16. Peace, Justice and Strong Institutions
Science	Oceanography	Fennel, K.		Changing climate effects on the ocean, Sustainable Ocean, UN Sustainable Goal 9. Industry, Innovation and Infrastructure, UN Sustainable Goal 13. Climate Action, UN Sustainable Goal 14. Life Below Water
Science	Oceanography	Finkel, Z.	Climate Change	Changing climate effects on the ocean, UN Sustainable Goal 13. Climate Action, UN Sustainable Goal 14. Life Below Water
Science	Oceanography	Hay, A.		Changing climate effects on the ocean, UN Sustainable Goal 5. Gender Equality, UN Sustainable Goal 11. Sustainable Cities and Communities, 1.7 Marine risk evaluation, UN Sustainable Goal 13. Climate Action, UN Sustainable Goal 14. Life Below Water, UN Sustainable Goal 15. Life on Land
Science	Oceanography	Kienast, M.		UN Sustainable Goal 13. Climate Action, UN Sustainable Goal 14. Life Below Water
Science	Oceanography	Lu, Y.		Marine Environmental Modelling & Prediction, UN Sustainable Goal 6. Clean Water and Sanitation, UN Sustainable Goal 13. Climate Action
Science	Oceanography	MacIntyre, H.		UN Sustainable Goal 6. Clean Water and Sanitation, UN Sustainable Goal 9. Industry, Innovation and Infrastructure, UN Sustainable Goal 12. Responsible Production and Consumption

Science	Oceanography	Metaxas, A.		Sustainable Ocean, Changing climate effects on the ocean, Marine and environmental law, policy and governance, Healthy People, Healthy Communities, Healthy Populations, Community, population and Indigenous health and well-being, Food Security, Sustainable aquaculture and agro-ecosystems, Marine biodiversity and wild catch fisheries, UN Sustainable Goal 14. Life Below Water, UN Sustainable Goal 13. Climate Action, UN Sustainable Goal 8. Decent Work and Economic Growth, UN Sustainable Goal 11. Sustainable Cities and Communities, UN Sustainable Goal 12. Responsible Production and Consumption, UN Sustainable Goal 6. Clean Water and Sanitation, UN Sustainable Goal 1. No Poverty, UN Sustainable Goal 2. Zero Hunger, UN Sustainable Goal 10. Reduced Inequalities
Science	Oceanography	Musgrave, R.		Changing climate effects on the ocean, Sustainable Ocean, UN Sustainable Goal 13. Climate Action, UN Sustainable Goal 14. Life Below Water

Science

Oceanography

Oliver, E.

Changing climate effects on the ocean, Marine
risk evaluation, Marine and environmental
security,
law, policy and governance, Marine risk
evaluation, Community, population and
Indigenous health Marine pEnerg

Science

Oceanography

Waite, A.

Sustainable Ocean, Changing climate effects on the ocean, Sustainable aquaculture and agro-ecosystems, Ocean engineering, networks, communications, materials and tidal energy, Marine and environmental law, policy and governance, Marine risk evaluation, Sustainable Goal 13. Climate Action, UN Sustainable Goal 17. Partnerships for the Goals, UN Sustainable Goal 14. Life Below Water

Healthy People, Healthy Communities, Healthy Populations, Sustainable aquaculture and agro-ecosystems, Autonomous underwater vehicle oil spill response in-situ burning ocean technology, UN Sustainable Goal 9.

Science

Oceanography

Wallace, D.

Science	Physics and Atmospheric Science	Hall, K.		UN Sustainable Goal 7. Affordable and Clean Energy, Clean Tech, Energy, the Environment, Renewable energy generation, storage and fuels, UN Sustainable Goal 9. Industry, Innovation and Infrastructure
Science	Physics and Atmospheric Science	Helbig, M.	Carbon Cycling and Energy Fluxes in Boreal Ecosystems	climate change, heatwaves, droughts, forestry, climate mitigation, climate adaptation, land-atmosphere feedbacks, UN Sustainable Goal 4. Quality Education, UN Sustainable Goal 13. Climate Action, UN Sustainable Goal 15. Life on Land
Science	Physics and Atmospheric Science	Hewitt, K.		Healthy People, Healthy Communities, Healthy Populations, UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 5. Gender Equality, UN Sustainable Goal 10. Reduced Inequalities, UN Sustainable Goal 6. Clean Water and Sanitation, UN Sustainable Goal 9. Industry, Innovation and Infrastructure
Science	Physics and Atmospheric Science	Hill, I.		Renewable energy generation, storage and fuels, Clean Tech, Energy, the Environment, Clean and NextGen materials, UN Sustainable Goal 7. Affordable and Clean Energy, UN Sustainable Goal 9. Industry, Innovation and Infrastructure, UN Sustainable Goal 12. Responsible Production and Consumption
Science	Physics and Atmospheric Science	Lesins, G.	Climate Change	
Science	Physics and Atmospheric Science	Maassen, J.		UN Sustainable Goal 7. Affordable and Clean Energy

Science

Physics and Atmospheric
Science

Yang, C.

Renewable energy generation, storage and fuels, UN Sustainable Goal 7. Affordable and Clean Energy.

Science

Psychology & Neuroscience

Adamo, S.

Ecoimmunology

Sustainable aquaculture and agro-ecosystems, Clean water, clean soil, clean air, Food Security, Sustainable aquaculture and agro-ecosystems, Healthy People, Healthy Communities, Healthy Populations, Social and biophysical dimensions of resource and environmental sustainability, UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 12. Responsible Production and Consumption, UN Sustainable Goal 2. Zero Hunger, UN Sustainable Goal 15. Life on Land, UN Sustainable Goal 13.

Health

School of Health and Human Performance

Gallant, K.A.

Marginalized populations in health care

UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 10. Reduced Inequalities, UN Sustainable Goal 11. Sustainable Cities and Communities, Healthy People, Healthy Communities, Healthy Populations

- Institutional racism
- Racism and health
- Diversity

School of Health and Human Performance

Hamilton-Hinch, B.

Decolonial Theory & Practice, Health Equity, 2.0 Healthy People, Healthy Communities, Healthy Populations, UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 4. Quality Education, UN Sustainable Goal 5. Gender Equality, UN Sustainable Goal 10. Reduced Inequalities, UN Sustainable Goal 17. Partnerships for the Goals, UN Sustainable Goal 16. Peace, Justice and Strong Institutions

Health

School of Health and Human Performance

Jackson, L.

- Health promotion
 - Health of marginalized populations
 - Rural women's health
 - Harm reduction
 - Access
- UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 10. Reduced Inequalities, UN Sustainable Goal 11. Sustainable Cities and Communities, Healthy People, Healthy Communities, Healthy Populations

Jackson, L.

Health	School of Health and Human Performance	Liebenberg, L.		Healthy People, Healthy Communities, Healthy Populations, Culture, Society, Community Development, Reconciliation and Indigenous peoples, UN Sustainable Goal 16. Peace, Justice and Strong Institutions, UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 5. Gender Equality
Health	School of Health and Human Performance	Martin, D.	<ul style="list-style-type: none"> •Social determinants of health •Food justice •Oral health promotion •Community based participatory research •Chronic disease prevention and food sovereignty •Aboriginal-Indigenous health 	Healthy People, Healthy Communities, Healthy Populations, Development of Indigenous and rural communities, Ethics and social justice, Reconciliation and Indigenous peoples, UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 10. Reduced Inequalities, UN Sustainable Goal 17. Partnerships for the Goals, UN Sustainable Goal 4. Quality Education, UN Sustainable Goal 1. No Poverty
Health	School of Health and Human Performance	Rainham, D.	<ul style="list-style-type: none"> •Population health science •Environmental epidemiology •Health geography 	Healthy People, Healthy Communities, Healthy Populations, Clean water, clean soil, clean air, Building diverse, sustainable, responsible, smart organizations and communities, UN Sustainable Goal 11. Sustainable Cities and Communities, UN Sustainable Goal 13. Climate Action, UN Sustainable Goal 4. Quality Education, UN Sustainable Goal 3. Good Health and Well-Being,

Health

School of Health and Human
Performance

Spencer, B.

- Gender and health
- Ecological and comprehensive approaches
- Systems and structural influences
- Healthy cities and communities
- Environmental and policy determinants of healthier consumption

Healthy People, Healthy Communities, Healthy Populations, Community, population and Indigenous health and well-being, Building diverse, sustainable, responsible, smart organizations and communities, Food Security,

Health

Health Administration

Mah, C.

Health

Nursing

Waldron, I.

- Environmental Racism
- Medical Sociology
- Sociology of Health and Illness
- Mental Illness in Black Canadian, Immigrant and Indigenous Communities
- COVID-19 and Vulnerable Populations
- Health Inequalities
- Environmental Health Inequalities

Healthy People, Healthy Communities, Healthy Populations, Community, population and Indigenous health and well-being, Changing climate effects on the ocean, UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 10. Redfthe

Health

School of Social Work

Baikie, G.

- Critical and anti-oppressive theory
- Aboriginal social policy
- Aboriginal community and social development
- Practice in northern, rural and remote communities
- Cross-cultural competency
- Aboriginal social work education
- Critical reflection
- Indigenous and decolonizing practices and methodologies
- Community participatory action

Health	School of Social Work	Hanrahan, C.	Deep-ecological social work	
Health	School of Social Work	Karabanow, J.	<ul style="list-style-type: none"> •Homelessness and poverty •Housing •Globalization 	Healthy People, Healthy Communities, Healthy Populations, UN Sustainable Goal 1. No Poverty, UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 11. Sustainable Cities and Communities
Health	School of Social Work	MacDonald, N.	<ul style="list-style-type: none"> •Aboriginal health research governance •Aboriginal peoples in Canada •Aboriginal women's health and healing issues •Child welfare with First Nations populations •Cross-cultural issues in Canada •Customary care in First Nations 	
Health	School of Social Work	Manning, E.	<ul style="list-style-type: none"> •Radical and critical anti-oppressive theory and practice •Health equity •Queer, trans, and gender studies •Anti-racist and anti-colonial studies 	

Health	School of Social Work	Ross, N.		<p>Healthy People, Healthy Communities, Healthy Populations, Ethics and social justice, Community, population and Indigenous health and well-being, Building diverse, sustainable, responsible, smart organizations and communities, UN Sustainable Goal 16. Peace, Justice and Strong Institutions, UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 5. Gender Equality, UN Sustainable Goal 10. Reduced Inequalities, UN Sustainable Goal 11. Sustainable Cities and Communities, UN Sustainable Goal 17. Partnerships for the Goals</p>
Health	School of Social Work	Ungar, M.	Ecological social work	<p>Homeless youth; resilience; child welfare; Community, population and Indigenous health and well-being, Resilience Ethics, Healthy People, Healthy Communities, Healthy Populations; UN Sustainable Goal 1. No Poverty, UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 5. Gender Equality. UN Sustainable Goal 16. Peace, Justice and Strong Institutions. UN Sustainable Goal 10. Reduced Inequalities.</p>

Health	School of Social Work	Wu, H.		Healthy People, Healthy Communities, Healthy Populations, Changing climate effects on the ocean, Building diverse, sustainable, responsible, smart organizations and communities, Cultural and social development of coastal landscapes and communities, Community, population and Indigenous health and well-being, UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 11. Sustainable Cities and Communities, UN Sustainable Goal 13. Climate Action, UN Sustainable Goal 9. Industry, Innovation and Infrastructure, UN Sustainable Goal 17. Partnerships for the Goals.
Medicine	Anesthesia, Pain Management and Perioperative Medicine	Livingston, P.	Healthcare in low-income countries	UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 4. Quality Education
Medicine	Biochemistry and Molecular Biology	Doolittle, W. F.	Sustainable Ocean, Healthy People, Healthy Communities, Healthy Populations, UN Sustainable Goal 5. Gender Equality, UN Sustainable Goal 14. Life Below Water, UN Sustainable Goal 15. Life on Land, UN Sustainable Goal 13. Climate Action, Culture, Society, Community	
Medicine	Community Health & Epidemiology	Asada, Y.	Health inequity	Healthy People, Healthy Communities, Healthy Populations, UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 10. Reduced Inequalities, UN Sustainable Goal 16. Peace, Justice and Strong Institutions

Medicine	Community Health & Epidemiology	Dryden, O.	Black Canadian Studies Black Health Equity Anti-black racism and Health Outcomes Blood Donation Systems HIV & AIDS Medical Education and Health Humanities Black Feminist/Black Queer Diasporic Analytics	Social Determinants of Health, African Nova Scotians, Preston Townships, Black Health Equity, Determinants of Trust, Community Health Registry, UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 10. Reduced Inequalities, UN Sustainable Goal 5. Gender Equality, Health Inequities; Social Determinates; UN Sustainable Goal 17. Partnerships for the Goals
Medicine	Community Health & Epidemiology	Kim Jong, S.		Healthy People, Healthy Communities, Healthy Populations, UN Sustainable Goal 14. Life Below Water, UN Sustainable Goal 3. Good Health and Well-Being,
Medicine	Surgery, Community Health & Epidemiology	Urquhart, R.		Healthy People, Healthy Communities, Healthy Populations, UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 10. Reduced Inequalities.
Computer Science	Computer Science	Beiko, R.		UN Sustainable Goal 9. Industry, Innovation and Infrastructure UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 6. Clean Water and Sanitation, UN Sustainable Goal 10. Reduced Inequalities
Computer Science	Computer Science	Haque, I.		Ocean engineering, networks, communications, materials and tidal energy, UN Sustainable Goal 9. Industry, Innovation and Infrastructure, UN Sustainable Goal 11. Sustainable Cities and Communities, UN Sustainable Goal 13. Climate Action, Ocean Dynamics, Ocean studies

Computer Science	Computer Science	Kirsebom, O.	Publication: O. S. Kirsebom et al., Performance of a Deep Neural Network at Detecting North Atlantic Right Whale Upcalls, The Journal of the Acoustical	UN Sustainable Goal 14. Life Below Water
Computer Science	Computer Science	Matwin, S.		UN Sustainable Goal 6. Clean Water and Sanitation, UN Sustainable Goal 15. Life on Land, UN Sustainable Goal 14. Life Below Water, UN Sustainable Goal 3. Good Health and Well-Being, UN Sustainable Goal 12. Responsible Production and Consumption, UN Sustainable Goal 13. Climate Action, UN Sustainable Goal 17. Partnerships for the Goals, UN Sustainable Goal 16. Peace, Justice and Strong Institutions
Computer Science	Computer Science	Orji, R.	Publication: "Socially-oriented Persuasive Strategies and Sustainable Behavior Change: Implications for Designing for	Healthy People, Healthy Communities, Healthy Populations, UN Sustainable Goal 3. Good Health and Well-Being
Computer Science	Computer Science	Torgo, L.		Sustainable aquaculture and agro-ecosystems, UN Sustainable Goal 9. Industry, Innovation and Infrastructure, UN Sustainable Goal 13. Climate Action, UN Sustainable Goal 14. Life Below Water, UN Sustainable Goal 2. Zero Hunger, UN Sustainable Goal 12. Responsible Production and Consumption, UN Sustainable Goal 6. Clean Water and Sanitation