

# York University SDG Course Inventory

## SDG 12 – Responsible Consumption and Production

### 12 RESPONSIBLE CONSUMPTION AND PRODUCTION



SDG 12 Responsible Consumption and Production seeks to promote sustainable practices across the global economy and society. Targets for SDG 12 include the decoupling of economic growth from resource use by maximizing the socio-economic benefits of resources while minimizing their negative impacts.

York prides itself as a practitioner and educator in sustainable consumption and production, and offers numerous relevant programs through the [Schulich School of Business](#), the [Faculty of Environmental and Urban Change](#), and the [Faculty of Science](#). Course topics include environmental protection regulations, civil engineering, consumer culture, and supply chain economics. Additionally, York hosts the [Sustainable Public Procurement Accelerator Lab](#).

[Click Here](#) to learn more about York's initiatives towards accomplishing SDG 12

[Click Here](#) to learn more about the United Nations' SDG 12 targets and goals

SDG 12 Courses at YU	Primary SDG	Secondary SDG	Ancillary SDG	Total Courses
	8	5	0	13

[Click Here](#) to access York University's full course inventory

## York University 2022 SDG Course Mapping - SDG 12

COURSE TITLE	FACULTY	SUBJECT	CODE	CREDIT	DESCRIPTION	LANGUAGE	PRIMARY SDG	SECONDARY SDG	ANCILLIARY SDG
Environmental Geotechnics	Lassonde School of Engineering	CIVL	4044	3	This course provides essential geotechnical engineering concepts and their applications in the analysis and design of environmental system, with particular focus on waste containment facilities. Topics include: variably-saturated flow in soils; nature of contaminants and the contaminant transport processes; engineered barrier, drainage and cover systems; geosynthetic barriers; remediation of contaminated ground; geotechnical aspects of mine waste management and rehabilitation. Prerequisite: LE/CIVL 3210 3.00.	en	SDG 12 Responsible Consumption and Production	SDG 6 Clean Water and Sanitation	
Pavement Materials and Design	Lassonde School of Engineering	CIVL	4031	3	This course is intended to cover many of the key elements of surface infrastructure system (e.g., pavements). That is, the framework for good pavement design and management, pavement materials, and structural design. More specifically, the following topics will be covered. Properties and usage of soil and rock as pavement materials; selection and characterization of subgrade, sub-base and base materials; properties and usage of bitumen and asphalt; manufacture and use of bituminous concrete; mix design; use of recycled construction materials in road construction; prediction and characterization of traffic loadings; stress distribution in flexible and rigid pavements; principles of mechanistic design; assessment and prediction of pavement condition; measurement and reporting of physical distress including cracking, rutting and roughness, pavement management system. Prerequisites: LE/CIVL 3110 3.00; LE/CIVL 3250 3.00 or LE/CIVL 3260 3.00	en	SDG 9 Industry, Innovation and Infrastructure	SDG 12 Responsible Consumption and Production	
Landfill Design	Lassonde School of Engineering	CIVL	4041	3	A design-based course where geotechnical and hydrogeological principles are applied to study environmentally sustainable disposal of municipal solid waste. Students will conduct practical design tasks to investigate the planning, design, construction, operation and post-closure of phases of an engineered municipal waste disposal facility. Throughout their design tasks, topics studied will include: source and nature of waste; disposal options; design methodologies; environmental legislation and regulations; public perception; societal and environmental impact of landfills; contaminant transport modeling; use of geosynthetic materials; and design issues and tradeoffs. Prerequisites: CIVL 3210 3.00	en	SDG 11 Sustainable Cities and Communities	SDG 12 Responsible Consumption and Production	
Fetish Appeal: Desire and Consumption	Faculty of Liberal Arts & Professional Studies	CLTR	4820	6	Probes the role of pleasure, desire and power in contemporary consumer culture, especially around objects of consumption, such as so-called designer goods or iconic products such as the Kitchenaid mixer or the Ipod. Course credit exclusion: AP/CLTR 4820 3.00. PRIOR TO FALL 2009: Course credit exclusions: AK/CLTR 4820 3.00, AK/CLTR 4820 6.00.	en	SDG 12 Responsible Consumption and Production		

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Advertising: Media and the Development of Consumer Culture	Faculty of Liberal Arts & Professional Studies	COMN	3700	3	The course approaches advertising as a privileged form of communication and as central to development of the media. This course will explore the emergence of consumer society and the social, political, and economic roles of advertising within this development with particular focus on how the promotional discourses of advertising have become entrenched in our culture. Course credit exclusion: AP/COMN 3315 6.00 (prior to Fall 2012).	en	<b>SDG 8 Decent Work and Economic Growth</b>	<b>SDG 12 Responsible Consumption and Production</b>	
Intermediate Microeconomic Theory II	Faculty of Liberal Arts & Professional Studies	ECON	2350	3	Applies the analytical tools from AP/ECON 2300 3.00 to analyze resource allocation in imperfectly competitive markets and factor pricing in alternative market structures. Considers basic concepts of general equilibrium and welfare economics. Prerequisite: AP/ECON 2300 3.00 or equivalent. PRIOR TO FALL 2014: Course credit exclusion: GL/ECON 3230 6.00.	en	<b>SDG 12 Responsible Consumption and Production</b>		
Advanced Microeconomic Theory	Faculty of Liberal Arts & Professional Studies	ECON	4010	3	Examines important contributions to the microeconomic literature. Covers advanced topics from consumer theory, the economics of the firm, competitive and non-competitive markets, factor pricing, income distribution, general equilibrium, and welfare economics. Prerequisites: AP/ECON 2300 3.00, AP/ECON 2350 3.00, and AP/ECON 3530 3.00, or equivalents. Recommended prior completion: AP/ECON 2400 3.00 and AP/ECON 2450 3.00. Course credit exclusion: GL/ECON 4230 3.00.	en	<b>SDG 12 Responsible Consumption and Production</b>	<b>SDG 10 Reduced Inequalities</b>	
Marketing and Consumer Economics	Glendon College	ECON	3245	3	This course uses the fundamental principles of economics to analyze the decision-making process in business and the outcomes associated with the four pillars of marketing: product, price, promotion and place. Prerequisites: GL/ECON 1000 3.00, GL/ECON 1010 3.00.	en	<b>SDG 12 Responsible Consumption and Production</b>		
Topics In Microeconomics Theory	Faculty of Graduate Studies	ECON	6100	3	This course will cover further topics in microeconomic theory including market failure, externalities, public goods, incentive compatibility, social choice and welfare measures, expected utility analysis, portfolio theory, general equilibrium analysis under uncertainty, imperfect competition, monopoly, Cournot duopoly, monopolistic competition, entry deterrence, product selection, oligopoly and game theory. Prerequisite: GS/ECON 5100 3.00 or permission of the Instructor.	en	<b>SDG 12 Responsible Consumption and Production</b>		
Microeconomic Theory	Glendon College	ECON	2100	6	First half: Consumer theory: preferences, utility, and choice under certainty and uncertainty. Factor markets: intertemporal choices (supply of savings/capital), and labour-leisure decisions (labour supply). Second half: Producer theory: the firm's technology, costs, demand for inputs and supply of output; market structures and partial equilibrium; welfare analysis. General equilibrium: in an exchange economy, and a production economy; the fundamental theorems of welfare. Prerequisites: GL/ECON 1000 3.00 and GL/ECON 1010 3.00; GL/MATH 1930 and GL/MATH 1940 3.00. Course credit exclusion: AP/ECON 2300, AP/ECON 2350 3.00, GL/ECON 3230 6.00 (prior to Fall 2014).	en	<b>SDG 8 Decent Work and Economic Growth</b>	<b>SDG 12 Responsible Consumption and Production</b>	

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Consumer Research A	Schulich School of Business	MKTG	7980	3	Consumer research grounded in traditions of sociology, anthropology and cultural studies is reviewed in this course. The course is designed to familiarize students with both the theories that help us to understand the evolution of consumer culture and the key phenomena of interests to culturally oriented consumer researchers.	en	<b>SDG 12</b> Responsible Consumption and Production	<b>SDG 16</b> Peace, Justice and Strong Institutions	
Reverse Logistics & Closed-Loop Supply Chains	Faculty of Graduate Studies	MSMG	6570	3	This course explores reverse logistics/closed-loop supply chains with the goal of helping academics and professionals develop knowledge and expertise in this area. Reverse logistics refers to all managerial operations related to reuse or recycle of products, components or materials. Closed-loop supply chains stand for all operations of dealing with items that are no longer desired or can no longer be used by their users. PREREQUISITES: GS/MSMG6550 3.0 Fundamentals of SCM, GS/MSMG6510 3.00 Analytics for Supply Chain Management.	en	<b>SDG 12</b> Responsible Consumption and Production		
Polymer Technology	Faculty of Science	SENE	3091	3	This subject correlates the structure, properties, applications, processing and fabrications of polymeric materials. Apart from traditional plastic materials, the most advanced plastics and composites used in aircraft, aerospace and automobile industries, body implants and optoelectronics will be discussed. The course includes the waste management, degradation and recycling of plastics for environment protection. The laboratory component emphasizes testing and processing. Not open to students having completed Seneca College course PTC633. Prerequisite: SC/CHEM 2021 3.00. Prerequisite or Corequisite: SC/SENE 3092 3.00 (or Seneca course CPM633). Course credit exclusion: SC/CHEM 3090 3.00.	en	<b>SDG 9</b> Industry, Innovation and Infrastructure	<b>SDG 12</b> Responsible Consumption and Production	