

PROJECT MANAGEMENT

Program Outline

Major:	PRJM
Length:	1 Year
Delivery:	2 Semesters
Credential:	Ontario College Graduate Certificate
Effective:	2017-2018
Location:	Barrie
Start:	Summer (Barrie)

Description

The complexity of industry's labour and entrepreneurial needs requires managers who can work with in a variety of settings and in cross-functional and multi-disciplinary teams. This program fills that need by providing project management training to candidates who require project management skills to ensure new ventures have potential for successful delivery. The program covers technical, leadership, business, and strategic management subjects with an emphasis on understanding and managing change as applied to project management.

Career Opportunities

This program will be attractive to persons who occupy or aspire to fulfill Supervisor, Manager, Program/Project Manager, Team Lead, Scheduler, Estimator, other supervisory or middle management positions in a variety of disciplines including business, health sciences, service industries, and technical.

Program Learning Outcomes

The graduate has reliably demonstrated the ability to:

- manage the scope, cost, timing, and quality of the project, at all times focused on project success as defined by project stakeholders;

- align the project to the organization's strategic plans and business justification throughout its lifecycle;
- identify project goals, constraints, deliverables, performance criteria, control needs, and resource requirements in consultation with stakeholders;
- implement the PMI project management knowledge areas, processes, lifecycle phases and the embodied concepts, tools and techniques in order to achieve project success;
- adapt projects in response to issues that arise internally and externally;
- interact with team and stakeholders in a professional manner, respecting differences, to ensure a collaborative project environment;
- utilize technology tools for communication, collaboration, information management, and decision support;
- implement general business concepts, practices, and tools to facilitate project success;
- reflect on their role and effectiveness as a leader and follower;
- apply appropriate legal and ethical standards;
- adapt project management practices to meet the needs of stakeholders from multiple sectors of the economy (i.e., manufacturing, technology, consulting, government, arts, media, and not-for-profit organizations);
- apply project management practices to the launch of new programs, initiatives, products, services, and events relative to the needs of stakeholders;
- appraise the role of project management in organizational change;
- employ environmentally sustainable practices within the profession;
- employ entrepreneurial strategies to identify, research, communicate, and/or respond to new opportunities.

The Program Progression:

Summer Intake - Barrie

Sem 1 | Sem 2

Summer | Fall

2018 | 2018

Admission Requirements:

Postsecondary diploma, degree or equivalent.

Applicants who do not possess the above academic requirement may be considered upon submission of a resume and reference letters which demonstrate relevant work experience.

Additional Information:

Students may be required to purchase or to install computer hardware or software outside of standard program tuition/ancillary fees. These requirements will be provided as part of the course specific documentation upon enrollment.

Based on the program of study and semester organization, students who have successfully completed semester 1, may wish to write the Certified Associate in Project Management (CAPM) Certification Examination.

Based on the program of study and semester organization, students who have successfully completed semester 2, may wish to write the Project Management Professional (PMP) Certification Examination.

See <http://www.pmi.org/certifications> for additional information regarding the prerequisites associated with these examinations and designations.

Graduation Requirements:

12 Mandatory Courses

Graduation Eligibility:

To graduate from this program, a student must attain a minimum of 60% or a letter grade of P (Pass) or S (Satisfactory) in each course in each semester. The passing weighted average for promotion through each semester and to graduate is 60%.

Mandatory Courses

PRJM1000 Collaboration and Project Management
PRJM1001 Agile Project Management
PRJM1002 Quality Management
PRJM1003 Leadership
PRJM1004 Strategic Project Portfolio Management
PRJM1005 Advanced Project Planning and Risk Management
PRJM1006 Decision Support for Project Managers

PRJM1007 Advanced Project Controls
PRJM1008 Change Management
PRJM1009 Project Management Capstone Project
PRJM1010 Project Communications Management
PRJM1011 Business Management for Project Managers

Course Descriptions:

PRJM1000 Collaboration and Project Management 42.0 Hours

Structured on the Project Management Institute's common body of knowledge, students are introduced to project management concepts, the systems approach to project delivery, and the project management processes of initiating, planning, executing, monitoring and controlling, and closing using web-based communication and collaboration tools for team meetings.

PRJM1001 Agile Project Management 42.0 Hours

Using the Project Management Institute's "Agile Certified Practitioner" certification as the course foundation, students learn how to deliver projects through the application of industry standard Agile principles. Students examine the agile mindset, value driven delivery, stakeholder engagement, team performance, adaptive planning, problem solving, continuous improvement, and commonly used tools and techniques.

P- PRJM1000 Collaboration and Project Management

PRJM1002 Quality Management 42.0 Hours

Students are introduced to a common understanding and foundation for achieving excellence through the quality assurance, control, and improvement concepts that foster process performance and customer excellence. Students apply organization-specific content to reinforce the requirements of regulatory and standards bodies, application of quality practices, and the development of associated quality metrics.

PRJM1003 Leadership 42.0 Hours

Students in this course examine the various perspectives on project leadership, including a study of different leadership styles, the role of leaders in collaborative projects, the distinction between leadership and management, decision-making and ethical professional behaviour in leading projects. Students apply these skills to a variety of situations including different cultures, preferences, values and motivations. Staff development through coaching and mentoring is also covered.

PRJM1004 Strategic Project Portfolio Management 42.0 Hours

In this course, students learn how to effectively design a project portfolio through the application of a process that begins with strategic planning. Students screen and prioritize a large number of projects and then select the optimal project portfolio subject to organizational constraints. Students get hands-on experience using Decision Support software.

PRJM1005 Advanced Project Planning and Risk Management 42.0 Hours

Beginning with a project charter, students assemble into teams so that they can define the project scope, analyze the project risks, create a project schedule, assign resources, create a budget and develop the supporting management plans required for successful project delivery. Students examine risk management through case studies from a variety of public and private settings through the use of quantitative techniques to evaluate risks and risk interactions including expected monetary value, impact to the environment, effect of simulation, and output of decision trees.

P- PRJM1000 Collaboration and Project Management and P- PRJM1002 Quality Management

PRJM1006 Decision Support for Project Managers 42.0 Hours

Project stakeholders and daily project managers are required to make decisions that affect the scope, quality, time, resourcing and cost of the project they are delivering. In this course, students get hands-on experience with the common decision support tools, such as scheduling software, that are available to project managers.

P- PRJM1000 Collaboration and Project Management and P- PRJM1011 Business Management for Project Managers

PRJM1007 Advanced Project Controls 42.0 Hours

Project controls is best described as the data gathering, management and analytical processes used to predict, understand and constructively influence the time and cost outcomes of a project or program. This is facilitated through the communication of information in formats that assist effective management and decision making. Through case studies and simulations, students focus on what it takes to successfully execute a complex plan.

P- PRJM1000 Collaboration and Project Management

PRJM1008 Change Management 42.0 Hours

Organizational leaders face a range of challenges as they lead change, encourage innovation, and manage crises. Students in this course explore theories, models, strategies, and processes to help leaders provide individuals and organizations with the awareness, motivation, knowledge, and ability to change. Students utilize systems theory to analyze organizational culture. The role of evaluation as a leadership function in change projects and the concepts of developmental evaluation are discussed. The importance of evidence and data in supporting a change initiative is emphasized.

P- PRJM1003 Leadership

PRJM1009 Project Management Capstone Project 42.0 Hours

Students work in teams to execute a project by gathering information, analyzing the situation, and preparing and presenting a complete project plan to solve a problem or achieve a goal of an actual not-for-profit, public sector, or industry collaborator. Teams integrate their knowledge of project manager and project support functions and

specialized sector knowledge to solve problems and set strategies. Specific recommendations are presented to managers and leaders, accompanied by a formal written report and presentation.

P- PRJM1000 Collaboration and Project Management

PRJM1010 Project Communications Management 42.0 Hours

This course is designed to provide students with an understanding of how to manage the information and communication needs of project stakeholders. Communication needs vary by project and how a project manager executes a communications plan directly influences a project outcome. Students learn how stakeholder identification, communications planning, information distribution, performance reporting and the management of stakeholder expectations all contribute to providing effective project communications.

PRJM1011 Business Management for Project Managers 42.0 Hours

In this course, students focus on developing their business acumen in the context of delivering successful projects in a rapidly changing business environment. By looking at an Organization's big picture students gain an understanding on where projects fit in. A successful project manager knows how market awareness, strategic planning, business models, customer relationships and operational functions all play a role in project benefit realization.

Course Description Legend

P = Prerequisite; C = Concurrent prerequisite; CO= Corequisite

Information contained in College documents respecting programs is correct at the time of publication. Academic content of programs and courses is revised on an ongoing basis to ensure relevance to changing educational objectives and employment market needs. The college reserves the right to add or delete programs, options, courses, timetables or campus locations subject to sufficient enrolment, and the availability of courses.