

OA 107 A - Business Math and Microsoft Excel Specialist

2 Credits, 4 Hours

Students will complete practical mathematical application problems on topics such as percentages, invoices, merchandising, and interest calculations. Through hands-on exercises, students are introduced to basic features and application of the Excel spreadsheet program. Using some of the more common worksheet and range commands, students will develop and format worksheets containing various cell entries, formulas, and several built-in functions.

Prerequisites: OA 110

Instructor

Amani Edwards

Office location: Syncrude Technology Centre Office S111E

Phone number: 780-791-8956

amani.edwards@keyano.ca

Office Hours

Monday to Friday 12:00 – 12:50 PM

Hours of Instruction

Tuesday 1:00 – 2:50 PM, Computer lab S107

Friday 1:00 – 2:50 PM, Computer lab S107

Required Resources**OA Certificate Technical Courses, Fall & Winter Semesters**

Nelson, 2018. ISBN: 978-0-17-678471-3

(Available at the Bookstore ONLY)

SAM (Skills Assessment Manager)

OA107 Business Mathematics, Keyano Bookstore

Important: SAM and the math book are **mandatory** components of the course. Students are responsible to ensure access to SAM and a copy of the book **at the beginning** of the term to avoid the loss of marks.

Earbuds/headphones

Binder

Course Outcomes

Upon successful completion of the course, the student shall be able to:

1. Demonstrate basic knowledge of spreadsheet concepts and Microsoft Excel terminology.
2. Create, modify and enhance worksheets.
3. Apply commonly used worksheet commands to efficiently produce professional documents.
4. Use worksheets to create charts.
5. Use formulas and functions in worksheets.
6. Apply the following mathematical concepts and perform the required calculations:
 - a. Fractions
 - b. Portion, Rate and Base
 - c. Discounts and Invoices
 - d. Markup and Markdown
 - e. Simple Interest
7. Modify basic formulas as they relate to business applications.
8. Apply concepts learned in mathematics to business situations using spreadsheets.
9. Follow instructions and produce required output within a given time period.

Evaluation

In-Class Projects.....	20%
Assignments.....	15%
Tests.....	30%
Final Exam.....	35%
Total.....	100%

A grade of C- is required for progression.

The minimum standard for passing this course is a grade of C- (60%).

Grading System

Descriptor	Alpha Grade	4.0 Scale	OA %
<i>Excellent (90% - 100%)</i>	A+	4.0	99 – 100
	A	4.0	95 – 98
	A-	3.7	90 – 94
<i>Good (75% - 89%)</i>	B+	3.3	85 – 89
	B	3.0	80 – 84
	B-	2.7	75 – 79
<i>Satisfactory (60% - 74%)</i>	C+	2.3	70 – 74
	C	2.0	65 – 69
<i>Progression/ Minimum Pass</i>	C-	1.7	60 – 64
	D+	1.3	55 – 59
	D	1.0	50 – 54
	F	0.0	0 – 49

Required Skills & Abilities

Enrolment in the Office Administration program and courses, requires the following skills and abilities:

Behavioural

- Ability to work independently or as a member of a group or team
- Engage with self and others to create a safe environment.
- Respond appropriately in situations that are stressful or that involve conflict
- Ability to listen and follow instructions
- Ability to manage time and meet deadlines

Cognitive

- Remember and recall information over a brief period of time.
- Remember and recall information over an extended period of time.

Environmental Ability to function in the presence of each of the following commonly encountered and unavoidable environmental factors:

- distractions
- noise
- unpredictable behaviour of others

Psychomotor

- perform repetitive movements and tasks
- perform complex sequences of hand-eye coordination

Technical

- Ability to use a desktop/laptop computer
- Ability to navigate the college's online Learning Management System (Moodle) and other publisher-specific LMS.

Proposed Schedule of Topics

Refer to *Tentative Weekly Schedule* for information on topic coverage.

Please note: Date and time allotted to each topic is subject to change.

Performance Requirements**Student Responsibilities**

It is your responsibility as a student to contact the Office of the Registrar to complete the forms for Withdrawal or Change of Registration, and any other forms. Please refer to the list of important dates as noted in the Academic Schedule in the Keyano College credit calendar.

More specific details are found in the Student Rights and Student Code of Conduct section of the Keyano College credit calendar. It is the responsibility of each student to be aware of the guidelines outlined in the Student Rights and Student Code of Conduct Policies.

Student Attendance

Class attendance is useful for two reasons. First, class attendance maximizes a student's learning experience. Second, attending class is a good way to keep informed of matters relating to the administration of the course (e.g., the timing of assignments and exams). Ultimately, you are responsible for your own learning and performance in this course.

It is the responsibility of each student to be prepared for all classes. Students who miss classes are responsible for the material covered in those classes and for ensuring that they are prepared for the next class, including the completion of any assignments and / or notes that may be due.

Academic Misconduct

Students are considered to be responsible adults and should adhere to principles of intellectual integrity. Intellectual dishonesty may take many forms, such as:

- Plagiarism or the submission of another person's work as one's own
- The use of unauthorized aids in assignments or examinations (cheating)
- Collusion or the unauthorized collaboration with others in preparing work
- The deliberate misrepresentation of qualifications
- The willful distortion of results or data
- Substitution in an examination by another person
- Handing in the same unchanged work as submitted for another assignment
- Breach of confidentiality.

The consequences for academic misconduct range from a verbal reprimand to expulsion from the College. More specific descriptions and details are found in the Student Rights and Student Code of Conduct section of the Keyano College credit calendar. It is the responsibility of each student to be aware of the guidelines outlined in the Student Rights and Student Code of Conduct Policies.

In order to ensure your understanding of the concept of plagiarism, you must successfully complete the online tutorial found on ilearn.keyano.ca. Then print the certificate, sign it, and show it to each of your instructors. Your course work will not be graded until you show this signed certificate.

Specialized Supports

The Student Academic Support Services (SASS) department: Accessibility Services, Skill Centre and Wellness Services, work together to support student success at Keyano College.

Accessibility Services (CC167) supports student success through group and individualized instruction of learning, study and test taking strategies, and adaptive technologies. Students with documented disabilities, or who suspect a disability, can meet with the Learning Strategists to discuss accommodation of the learning barriers that they may be experiencing. Students who have accessed accommodations in the past are encouraged to visit our office at their earliest opportunity to discuss the availability of accommodations in their current courses. Individual appointments can be made by calling 780-791-8934

Skill Centre (CC119) provides a learning space where students can gather to share ideas, collaborate on projects and get new perspectives on learning from our tutorial staff. Students visiting the centre have access to one-to-one or group tutoring, facilitated study groups, and assistance in academic writing. The Skill Centre's Peer Tutor program provides paid employment opportunities for students who have demonstrated academic success and want to share what they have learned. Tutoring is available free to any students registered at Keyano College on a drop in basis, from 9:00 am to 5:00 pm Monday through Friday. Additional evening hours are subject to tutor availability and are posted in the Skill Centre.

Wellness Services (CC260) offers a caring, inclusive, and respectful environment where students can access free group and individual support to meet academic and life challenges. Mental Health Coordinators offer a safe and confidential environment to seek help with personal concerns. The Mindfulness Room in CC260 is available as a quiet space for students to relax during regular office hours. Wellness Service welcomes students to participate in any of the group sessions offered throughout the academic year addressing such topics as Mindfulness and Test Anxiety. Individual appointments can be made by calling 780-791-8934.