Faculty of Engineering and Computer Science
Mechanical, Industrial & Aerospace Engineering Department

MECH 313 sect. X – MACHINE DRAWING AND DESIGN – 3.5 CREDITS
WINTER 2019 – COURSE OUTLINE

Instructor Section X:	Dominique Tremblay, Office: EV3-276
Time & Classroom:	Monday and Wednesday – 2:45pm to 4:00pm – H411 SGW
Office Hours:	Wednesday – 4:15pm to 5:15pm or by appointment
Email :	dominique.tremblay@concordia.ca
Web Site:	Access from your "My Concordia" portal - Moodle

TUTORIALS:

XA	Mon	4:15pm – 6:05pm	FG B050	Rinkesh Patel	rinkesh.mech313@gmail.com
XB	Tue	7:45pm – 9:35pm	MB 5.275	Arman Khachaturyan	akhachaturyan@concordiasae.ca

COURSE OBJECTIVES:

The objectives of this course focus on both theoretical and practical sides of drawings and other graphical methods in the process of engineering machine design.

For the theory aspect, the students will learn industrial standards and specifications, standard components and their use in product design. Detailed study will be performed in the following areas: standard machine elements and assemblies, including various types of mechanical drives, cams, clutches, couplings, brakes, seals, fasteners, springs, and bearings; their representations and functions in design and working drawings; dimensioning and tolerance systems related to manufacturing processes, interchange ability, quality control, patent procedures; pencil thinking and computer graphics in the design process and computer-aided machine drawing. A design project will be an integral part of this course. The students are also expected to self-learn certain topics that are not covered in the lecture.

For the practical side carrying out in the laboratory, the students working as a team need to apply the theory learnt to practical applications of making engineering working drawings based on parts from a machine.

PREREQUISITE: MECH 211

REFERENCES:

1. **Jensen, C, Jay D. Helsel, Dennis R. Short,** '*Engineering Drawing and Design',* Glencoe-McGraw-Hill, seventh Edition, SI Metric, 1998
2. **Jensen, C, Jay D. Helsel, Dennis R. Short**, 'Engineering Drawing and Design with extra Chapter on Welding', Glencoe-McGraw-Hill, Special Edition, SI Metric, 2014. ISBN: 978-1-259-36804-2
3. **Giesecke F.E.et al**.: *Engineering Graphics,* Prentice Hall 1998
4. **Luzzander, W. V**.: *Fundamentals of Engineering Drawing,* Prentice-Hall, Ninth Edition, 1981.

LABORATORY:

According to the schedule below, the lab session will be done in room H1067 SGW.

	Monday	Tuesday	Wednesday	Thursday	Friday
January	14	15	16 Lab XJ-X	17	18 Lab XL-X
February	4	5	6 Lab XI-X	7	8 Lab XK-X
	11	12	13 Lab XJ-X	14	15 Lab XL-X
March	11	12	13 Lab XI-X	14	15 Lab XK-X
	18	19	20 Lab XJ-X	21	22 Lab XL-X
April	08	09	10 Lab XI-X	11	12 Lab XK-X

Course Description*:*

- The ability to convey technical ideas to others in the form of sketches or drawings is of utmost importance for any engineer. The course MECH 313, Machine Drawing and Design, attempts to foster this ability in Mechanical Engineering students.
- The course plan is structured to give the student an opportunity to immediately apply material taught during lectures in working of assignments and problems given during the tutorial periods. A transition from basics learned in MECH 211 course towards the ability to sketch or make drawing of the students' own ideas, will be emphasized in particular. Sketches or drawings, which will give the onlooker a sense of scale (proportion), are necessary requirement for the graphic communicating skill expected out of a mechanical engineer.
- The students learn the skill of problem analysis throughout the course through assignments, tutorials, quizzes, Mid-Term and Final exams and a project. The students are required to solve design problems either manually using pencils and drawing boards or using CAD software which is expected to provide the feel of problem analysis and solving.
- In carrying these tasks, the students would learn to communicate effectively on complex engineering designs and drawings with the professor, tutors and other students.
- The software skills (Autocad or Solidworks) learnt will be put in full usage for solving the problems in assignments and projects.
- The **Seven** assignments to be done individually will be graded with each assignment weighing 2% towards the final grade. **These assignments can be done using computer software or manually.**
- **No assignment or late submission of an assignment and project will be graded with zero mark**.
- The project is to be done individually contributes **4%** towards the final grade.
- The laboratory work is three times per semester with four hours per session. It contributes 12% of the final grade. The students will be working as a team. They need to analyse a machine, dissemble it, make working drawings of some important parts of the machine and finally reassemble the same machine. Some design questions will also need to be answered as part of the LAB work.

GRADUATE ATTRIBUTES:

ATTRIBUTE	INDICATOR	LEVEL OF KNOWLEDGE
A knowledge base for engineering *Demonstrated competence in university-level mathematics, natural sciences, engineering fundamentals, and specialized engineering knowledge appropriate to the program.*	Knowledge-base for specific engineering field	ADVANCED
Problem analysis *An ability to use appropriate knowledge and skills to identify, formulate, analyze, and solve complex engineering problems in order to reach substantiated conclusions.*	Problem identification and formulation	ADVANCED
	Modelling	INTERMEDIATE
	Analysis (uncertainty and incomplete knowledge)	ADVANCED
Design *An ability to design solutions for complex, open-ended engineering problems and to design systems, components or processes that meet specified needs with appropriate attention to health and safety risks, applicable standards, and economic, environmental, cultural and societal considerations.*	Idea generation and selection	ADVANCED
	Detailed design	INTERMEDIATE
	Validation and implementation	INTERMEDIATE
Impact of engineering on society and the environment *An ability to analyse social and environmental aspects of engineering activities. Such abilities include an understanding of the interactions that engineering has with the economic, social, health, safety, legal and cultural aspects of society.*	Awareness of society and environment impact	INTRODUCTORY
Practice *Machine Analysis, disassembly and assembly. Produce working drawings of some important selected parts of the machine. Some design questions will also need to be answered.*	Problem identification and formulation	ADVANCED
	Modelling	ADVANCED
	Validation and implementation	ADVANCED

COURSE LEARNING OUTCOMES (CLOs):

Upon successful completion of the (MECH 313) Machine Drawing and Design course, students will be able to:

Understand the Theory of Shape Description and Component Representation To Canadian Engineering Standard.	**A knowledge base for engineering/** Knowledge-base for specific engineering field **Problem analysis/** Problem identification and formulation
Apply Learnt Knowledge of Limits, Tolerance and Geometric Dimensioning to Engineering Drawings.	**A knowledge base for engineering/** Knowledge-base for specific engineering field **Problem analysis/** Problem identification and formulation **Problem analysis/** Modelling **Problem analysis/** Analysis (uncertainty and incomplete knowledge) **Design/** Idea generation and selection **Design/** Validation and implementation
Demonstrate Knowledge and Attain the Ability to Draw Different Machine Components to Engineering Drawings. Carry out assembly and disassembly of machines. Produce working drawings of real selected machine parts.	**A knowledge base for engineering/** Knowledge-base for specific engineering field **Problem analysis/** Problem identification and formulation **Design/** Idea generation and selection **Design/** Validation and implementation **Design/** Detailed design
Recognize and Apply Different Welding Types and Symbols to Engineering Drawings of Welded Structures.	**A knowledge base for engineering/** Knowledge-base for specific engineering field **Problem analysis/** Problem identification and formulation **Problem analysis/** Analysis (uncertainty and incomplete knowledge) **Design/** Validation and implementation
Define and Describe the Various Types of Couplings, Bearings and Seals. Comprehend the Concept of Machine Lubrication.	**A knowledge base for engineering/** Knowledge-base for specific engineering field **Problem analysis/** Problem identification and formulation **Problem analysis/** Analysis (uncertainty and incomplete knowledge) **Design/** Idea generation and selection **Design/** Validation and implementation **Design/** Detailed design **Impact of engineering on society and the environment/** Awareness of society and environment impact
Perform Calculations for Designing and Choosing Suitable Gears, Chains and Belts for Different Applications.	**A knowledge base for engineering/** Knowledge-base for specific engineering field **Problem analysis/** Problem identification and formulation **Problem analysis/** Analysis (uncertainty and incomplete knowledge) **Design/** Idea generation and selection **Design/** Validation and implementation **Design/** Detailed design **Impact of engineering on society and the environment/** Awareness of society and environment impact
Read, Evaluate, Design and Draw Various Assembly Drawings.	**A knowledge base for engineering/** Knowledge-base for specific engineering field **Problem analysis/** Problem identification and formulation **Problem analysis/** Modelling **Problem analysis/** Analysis (uncertainty and incomplete knowledge) **Design/** Idea generation and selection **Design/** Validation and implementation **Design/** Detailed design **Impact of engineering on society and the environment/** Awareness of society and environment impact

COURSE PLAN:

Week	Lecture	Date	Chapter	Lecture Topics
1	1	7 Jan	6, 9	Theory of shape description, Sections
	2	9 Jan	6, 9	Theory of shape description, Sections
2	3	14 Jan	8	Dimensioning and tolerancing.
	4	16 Jan	8	Dimensioning and tolerancing.
3	5	21 Jan	8	Dimensioning and tolerancing. Fits and Allowances
	6	23 Jan	16	Geometric dimensioning and tolerancing
4	7	28 Jan	16	Geometric dimensioning and tolerancing
	8	30 Jan	16	Geometric dimensioning and tolerancing
5	9	4 Feb	16	Geometric dimensioning and tolerancing
	10	6 Feb	16	Geometric dimensioning and tolerancing
6	11	11 Feb	10	Machine elements: threads, fasteners
	12	13 Feb	10	Machine elements: threads, fasteners
		17 Feb		**Mid-Term 1 Exam**
7	13	18 Feb	11	Miscellaneous types of fasteners
	14	20 Feb	11	Miscellaneous types of fasteners
Break Mid-Term (25th of February - 1st of March)				
8	15	4 Mar	18	Welding
	16	6 Mar	18	Welding
9	17	11 Mar	21	Coupling, Bearings
	18	13 Mar	21	Bearings
10	19	18 Mar	21	Lubricants and Seals
	20	20 Mar	20	Belts
		24 Mar		**Mid-Term 2 Exam**
11	21	25 Mar	20	Chains
	22	27 Mar	20	Chains
12	23	1 Apr	20	Gears
	24	3 Apr	14	Assembly Drawing
13	25	8 Apr	14	Assembly Drawing
	26	10 Apr		Course Review

Note: The above course plan (i.e. schedules and dates) is used as the guide line to the course preparation and teaching and may be subject to changes during the semester according to the professor's view of the students' needs and feedback.

***ASSIGNMENTS*:**

There are **Seven** assignments and one project to be completed using CAD software or manually. In the case that the assignments are done using a CAD software, the paper printouts and the computer data files must be submitted together. The computer data files are to be sent to your TA by e-mail before or on the date of submission. The assignments will consist of small design problems based on materials covered in the lecture and will be structured in such a manner that a certain proficiency in the design and graphic methods will be achieved gradually. All assignment drawings must be produced in a professional manner on good quality of paper of standard letter size (8.5" x 11"). Assignments will be graded for correctness of content, neatness of presentation and printability.

- **Submit your assignment at the first 30 minutes of the tutorial. Otherwise, the assignment will not be accepted except with the approval of the course professor.**
- **No or late submission of an assignment will be graded with 0 marks.**

PROJECT:

There will be one individual project in this course. It consists of problems, which are based on machine design and drawing. Each student has to design and draw mechanisms based on design constraints given in the problem. Then, its information must be submitted to their tutor. The project work must be submitted during the tutorial according to its due date.

No or late submission of a project will be graded with 0 marks.

Notes:

Submitting work copied from somebody else or lending such a work to somebody (as CAD drawing files) will be penalized by assigning '0' mark to all parties involved. This is considered plagiarism, and such an incident will be reported to the course professor and all University conduct regulations will be taken.

ASSIGNMENTS AND PROJECT

Assignments and Project	Due Dates		Comments
	XA	XB	
1	23 Jan	23 Jan	To be posted on Moodle
2	28 Jan	29 Jan	To be posted on Moodle
3	4 Feb	5 Feb	To be posted on Moodle
4	18 Feb	19 Feb	To be posted on Moodle
5	4 Mar	5 Mar	To be posted on Moodle
6	11 Mar	12 Mar	To be posted on Moodle
7	18 Mar	19 Mar	To be posted on Moodle
Project 1	1 Apr	2 Apr	To be posted on Moodle

Note:

- Assignments must be submitted at the beginning of the tutorial at the due dates listed above.
- You must show all your necessary work out for any assignment question involved with calculations in order to obtain a full mark to that question.
- You only need to submit the Expectations of Originality form once during Lecture 2 session.
- You must enclose the assignment front sheet together with your 7 assignments and project.

TUTORIALS:

One tutorial per week is conducted to give the student guidance and additional information in the preparation of assignment drawings. The TA will be available to help getting work started and to answer questions regarding assignments or questions arising out of materials covered in the lecture.

Tutorial Schedule						
Tutorial week	Tutorial Date		Prob.	Figure	Page	Comments
	XA(Mon)	XB(Tue)				
1	14 Jan	15 Jan	34	6-117	129	
			12	9-57	257, 258	
2	21 Jan	22 Jan	5	9-43	252	
			5	8-91	221	
			9	8-96	223	
3	28 Jan	29 Jan	20	8-113	229	
			20	8-114	230	
4	4 Feb	5 Feb	27	8-122	234	
			21	8-116	231	Part A (Metric), Part D (Imperial).
			3	16-202	601,602	Part 1 only.
5	11 Feb	12 Feb	8	16-207	603	Parts A and C.
			10	16-210	603	
			21	16-221	608	
6	18 Feb	19 Feb	17	16-217	606	
			45	16-244	616	
			Mid-Term 1 REVISION			
7	4 Mar	5 Mar	12	10-60	300	
			1	Unit 18-1	674	
			3	Fig 18-42	675	Welds 5, 6 and 7 only.
8	11 Mar	12 Mar	1	11-36	329	Assembly A.
			6	11-43	333	Assembly A.
9	18 Mar	19 Mar	14	21-58	788	Assembly B – Oil ring seal assembly.
			7	11-44	334	Power drive assembly.
			Mid-Term 2 REVISION			
10	25 Mar	25 Mar	4	Unit 20-2	749	Double chain design.
			14	Unit 20-4	751	Part A – Gear design.
11	1 Apr	2 Apr	23	Unit 20-8	754	Centrifugal fan (Drawing on RH side)
			3	21-47	782	
12	8 Apr	9 Apr	**Course Revision**			

MARKING SCHEME:

The grading scheme to be used is as follows:

ASSIGNMENTS	14% (Attending the tutorials is highly recommended)
PROJECT	4%
TWO MID-TERM EXAMS	20% (10% each), See corresponding section below
LABORATORY	12%
FINAL EXAM	50%

MID-TERM EXAMS:

- There will be **two Mid-Term exams** for duration of 90 minutes each starting at 13:30 and finishing at 15:00. They are to be given on Sunday, 17th of February in Room H 401 (last name A-G) and Room H 403 (last name H-Z); and on Sunday, 24th of March in Room H 401 (last name A-G) and Room H 403 (last name H-Z).
- Each Mid-Term exam is worth 10% of the total grade.
- Both Mid-term exams are optional provided the student takes the Final exam. Those who do not attend the Mid-Term and Final exams will have to repeat the course.
- Students choosing not to attend the two Mid-Term exams will have their Final exam graded out of 70%.
- Students attending only one Mid-term exam (10%) will have their Final exam graded out of 60%.
- Once attended, the Mid-term exam grade will be added to the total mark.
- Both Mid-Term exams are a ***CLOSED BOOK EXAM***.

FINAL EXAM

- The Final exam will be written during the examination period – See exam schedule.
- The Final exam will be a ***CLOSED BOOK EXAM***.
- PLEASE NOTE: Since the final exam is cumulative, a pass mark must be attained in the final exam in order to pass the course; otherwise a fail grade will be given. The final exam mark must be **≥ 50%** in order to pass this course.

COURSE OUTLINE - MECH 313 Laboratory: Anatomy of Mechanical Engineering

SCOPE

This lab will cover practical skills, analytical skills and engineering drawing skills. These will be acquired through the disassembly, observation, analysis, making engineering working drawings and reassembly of few mechanical systems.

RELEVANCE

A good engineer should have the practical skill that when they demand it of a design, they understand completely what it is they are asking for. A good engineer is able to observe, understand and criticize a design and explain how this design works, how it was made and how it can be made better. A good engineer can reassemble what they have disassembled.

REQUIREMENTS

This LAB stresses on practical, theoretical and engineering drawing skills. Teamwork is essential. Division of labour is also important to meet the required goals. EVERYONE should be at work in the team during this laboratory. Assignment of roles will be determined at the LAB time by the LAB instructor.

Attendance is mandatory.

The following materials MUST be purchased before the first lab (you will need them throughout your career and for MECH 311 and MECH 490)

- Safety glasses
- Clothing appropriate for working on machinery that is oily and greasy (overalls recommended)
- Fully closed leather (or equivalent) shoes (steel toe safety shoes recommended)
- Vernier calliper (digital, carbide tip recommended)
- Tape measure [minimum 6']

EVALUATION

Marking will be based on the following:

- Producing engineering working drawing of each selected part – 90%.
- Answer short drawing and design questions – 10%.

Each Lab represents 4% of the final course grade; hence three Labs contribute 12%.

PREPARATION

Read the General Lab Manual.
Read the e-Manual specific to the lab you will be performing.
BE SURE YOU ARE FAMILIAR WITH THE USE OF TOOLS. This is the time to learn the names of tools and mechanical parts. There are 3 e-Manuals for 3 devices [drill, lawnmower and transmission]. Read in advance the e-Manual specific to the lab you will be attending. Be sure you are familiar with the disassembly procedure. PRINT out the printouts required [see the General Lab Manual]. Practice your thinking , sketching and drawing skills.

DELIVERABLES

Complete tasks specific to each LAB.

Complete general printouts.
Complete LAB specific printouts as handed out by LAB instructor at the end of the lab.
Reassemble device properly.

Important:

Do not copy, paraphrase or translate anything from anywhere without saying from where you obtained it. Source: http://provost.concordia.ca/academicintegrity/plagiarism

Getting the e-Manuals:
Goto *myconcordia.ca*, then *My portal*, enter *netname and password*, enter *MECH313*

Getting BOM (Bill of Materials) charts and Drawing Sheets
Goto *users.encs.concordia.ca/~dng*

IMPORTANT INFORMATION

As this is your first year in the university, there is certain information that you need to be reminded although all this information in already in the calendar.

- Concordia University offers a set of services besides the academic services. If you think that you need to know more about these services please Contact the Undergraduate Program Director (UGPD).

- You may also consider contacting Dr. Gerard Gouw as a former UNPD who is well aware of all services the University offers. If you know what service you wish to contact, you may consult before: Concordia Counselling and Development (career, psychological and student learning services): http://www.concordia.ca/offices/cdev.html/

- More information about the library is found at: Concordia Library Citation and Style Guides: http://library.concordia.ca/help/howto/citations.html

- Advocacy and Support Services (Access Centre for Students with Disabilities, Aboriginal Student Resource Centre, Student Parents Centre, Student Advocate Program): http://www.concordia.ca/offices/advocacy.html

- Other services resources that may be of interest:

LIST OF SERVICES

* Name of the Department's Academic Advisor
* Concordia Counselling and Development (career, psychological and student learning services): http://www.concordia.ca/offices/cdev.html/
* Concordia Library Citation and Style Guides: http://library.concordia.ca/help/howto/citations.html
* Advocacy and Support Services (Access Centre for Students with Disabilities, Aboriginal Student Resource Centre, Student Parents Centre, Student Advocate Program): http://www.concordia.ca/offices/advocacy.html
* Student Success Centre (math-related support, pure, applied and social science support, become a better wordsmith, student success mentors, awards and scholarships, learning support, jobs and careers): http://www.concordia.ca/students/success.html
* Academic Integrity: http://www.concordia.ca/students/academic-integrity.html
* Financial Aid and Awards: http://www.concordia.ca/offices/faao.html
* Health Services: http://www.concordia.ca/students/health.html

ADDENDUM TO THE COURSE OUTLINE

ACADEMIC CONDUCT ISSUES
The basic ten rules that make you a good engineer

The B. Eng. program is set to satisfy most of the requirements for your education and prepares you for a professional engineering career that requires dedication and knowledge. What you learn, and how you learn, will be used extensively in your engineering profession for the next 30 to 40 years. Therefore, the four years spent in the engineering program are crucial towards your professional formation.

The first step is for you to learn to "think like an engineer" which means:

- Accept responsibility for your own learning
- Follow up on lecture material and homework
- Learn *problem-solving skills,* not just how to solve each specific homework problem
- Build a body of knowledge integrated throughout your program
- Behave responsibly, ethically and professionally

One of the mainstays of being a professional engineer is a professional code of conduct and as an engineering student this starts with the Academic Code of Conduct (Article 16.3.14 of the undergraduate calendar). However, you may encounter situations that fall outside the norm and in such cases; you use your common sense.

Further, the following issues should be given serious consideration:

1) Attendance at lectures and tutorials are major learning opportunities and should not be missed. The labs represent a unique opportunity for you to acquire practical knowledge that you will need in your career. Class and tutorial attendance is important for you to comprehend the discipline and make the connections between engineering skills. You are strongly encouraged to participate in the class, ask questions and answer the instructor's questions. Tutorials are just extensions of the classes in which application of the concepts presented during the lectures are presented and problems are practically solved.

2) The major objective of a midterm exam is to check on your comprehension of the material and allow time for whatever action is necessary (from more study time to discontinuing a course). If you pay attention in the lectures, it will take you significantly shorter time to comprehend the material. **Note also** that if you are in the unfortunate position of being unable to write a final exam due to medical reasons and seek a deferral, this may not be possible if the instructor has no information indicating that you have been attending the course and assimilating the material (i.e. through midterms, quizzes, assignments etc.).

3) Homework is mandatory and it has some weight in the final grade (such information is given in the course outline). Homework may also be conceived as training material for the class tests. Under all circumstances, it is highly recommended to carry out the home work on time and submit it on the prescribed date. Late submissions are not granted to individual cases regardless of the reason. This is part of the training for being in the workforce where deadlines have to be met. Please, plan your work such that you submit all the assignments and lab reports on time and in the correct place (not in the corridor or on the street!).

4) Office hours with tutors, lab instructors or class instructors are listed in the course outline/website/office doors. Please respect these office hours and in case you have a serious conflict, contact the instructor asking for a special time arrangement. Meanwhile, respect the time of the other. Approaching someone of your teaching team on the hallways or on the street is not appropriate and unfruitful. You may not get the answer to your question and the approached person my feel embarrassed since he or she may be late for an appointment while being unable to answer your question on the spot.

5) Class tests (midterms, quizzes) are returned to the student. The final exams are not. If you wish to see your exam paper, be aware that most instructors allow only a narrow window of time for that purpose. For the fall term, exams may usually be reviewed in January and May for the spring term.

6) When you see your marked work (assignments, midterms, final exam etc), be aware that you are supposed to review your material and see the type of errors you made and if marks have been added incorrectly. This is not an opportunity to try and "negotiate" a higher grade with the instructor. If you believe that your grade is not right, you may apply for a formal Course Re-evaluation through the Birks Student Centre.

7) Writing tests and exams represents a major component of your course work. These tests and exams have rigorous requirements such as:
   - **No cell phone or other communication enabling tool is allowed on the student** during the examination period.
   - Only **specified faculty calculators** are allowed during tests and exams unless otherwise indicated by the instructor.
   - Usually, **no materials** are allowed in the exam unless otherwise announced.

   Get used to signing in and out of your exam. Make sure that you leave your exam papers with the invigilator. There are rules concerning general exam issues in the UG Calendar. These requirements are there to eliminate any possible misunderstanding and you are asked to **respect the rules**. Disciplinary measures are taken when the rules are not followed.

8) Respect your colleagues and those that you meet during the class: tutors, instructors, lab instructors, technical personnel, assistants, etc. Use appropriate communication means and language. Be considerate for all human beings. This includes small things such as turning off cell-phones before a class begins. Concordia University is a very diverse group of people and a very large multicultural community.

9) Communication is part of your future profession. Learn how to communicate effectively and efficiently in the shortest time possible. Write a short but meaningful e-mail; make effective phone calls, etc. If your instructor accepts emails make sure that your request is clear with the course number and your name in the *Subject* line. Do not ask for special treatment as instructors have to treat all students equitably.

   Respect all the above and you will get closer to your future profession.

PLAGIARISM

The most common offense under the Academic Code of Conduct is plagiarism which the Code defines as "the presentation of the work of another person as one's own or without proper acknowledgement."

This could be material copied word for word from books, journals, internet sites, professor's course notes, etc. It could be material that is paraphrased but closely resembles the original source. It could be the work of a fellow student, for example, an answer on a quiz, data for a lab report, a paper or assignment completed by another student. It might be a paper purchased through one of the many available sources.

Plagiarism does not refer to words alone – it can also refer to copying images, graphs, tables, and ideas. "Presentation" is not limited to written work. It also includes oral presentations, computer assignments and artistic works. Finally, if you translate the work of another person into French or English and do not cite the source, this is also plagiarism.

Please note that the faculty has required each student, at the beginning of the term, to commit into performing his homework as individual or group work, to use references that are cited and make sure that he/she is not committing PLAGIARISM. So far, such a document was required at the submission of each and every assignment. Starting this year, a statement of expectations of originality on the submitted work is required to every student at the beginning of the term. Please read carefully the originality document, fill it and sign it. You need to submit it along with your first assignment. This document is required to receive a grade at the completion of the course.

In Simple Words:

DO NOT COPY, PARAPHRASE OR TRANSLATE ANYTHING FROM ANYWHERE WITHOUT SAYING FROM WHERE YOU OBTAINED IT!

(Source: The Academic Integrity Website:

https://www.concordia.ca/students/academic-integrity/plagiarism.html)