



DEPARTMENT OF MATHEMATICS AND STATISTICS
COURSE OUTLINE

Course: PMAT 418 Introduction to Cryptography

Dates: September 11 – December 08, 2017

Lecture	Day	Time	Location	Instructor	Office	Phone	Email	Office Hours
01	MWF	15:00-15:50	SA 106	Renate Scheidler	MS 436	220-6628	rscheidl@ucalgary.ca	MW 16:00-17:00 or by appointment

Desire 2 Learn (D2L) course name: CPSC 418 L01 & PMAT 418 L01 Introduction to Cryptography - (Fall 2017)
(used only for online submission of assignments and posting of solutions)

Course web page: people.ucalgary.ca/~rscheidl/418

Department of Mathematics and Statistics: MS476, Phone: 403-220-5210

- Prerequisites:** One of Mathematics 271 or 273 or Pure Mathematics 315 or 317
(see Section 3.5C of the Calendar www.ucalgary.ca/pubs/calendar/current/sc-3-5.html and Course Descriptions: www.ucalgary.ca/pubs/calendar/current/course-desc-main.html)
- Grading:** The University policy on grading and related matters is described in sections [F.1](#) and [F.2](#) of the online University Calendar. In determining the overall grade in the course the following weights will be used:

Assignments	(4)	40%	(Due dates: Oct. 6, Oct. 27, Nov. 17, Dec. 8)
Midterm Exams	(2)	30%	(Dates: Oct. 20, Nov. 24, in class)
Final Exam		30%	(To be scheduled by the Registrar)

A passing grade in the final exam (at least 50%) is essential if the student is to pass the course as a whole (grade of C- or better).

Each piece of work submitted by the student will be assigned a percentage score. The student's average percentage score for the various components listed above will be combined with the indicated weights to produce an overall percentage for the course, which will be used to determine the course letter grade. The conversion between course percentage and letter grade is given below.

A+	> 95
A	90-95
A-	86-90
B+	82-86
B	78-82
B-	74-78
C+	70-74
C	66-70
C-	62-66

D+	58-62
D	50-58
F	< 50

3. **Missed Components of Term Work:** The regulations of the Faculty of Science pertaining to this matter are found in the Faculty of Science area of the Calendar in [Section 3.6](#). It is the student's responsibility to familiarize himself/herself with these regulations. See also [Section E.3](#) of the University Calendar. In the unlikely event of a health problem, the [Physician/Counsellor Statement Form](#) must be accompanied by either "[Application for Deferred Final Examinations](#)" or an "[Application for Deferment of Term Work](#)" in order to gain approval for such request. For all other missed term work such as quizzes, assignments or midterms, the [Physician/Counsellor Form](#) must be handed directly to your course instructor for approval.
4. **Course Materials:** Recommended text: Nigel P. Smart, *Cryptography Made Simple*, Springer 2016. PDF version available for free download from SpringerLink Ebooks through the U of C library webpage (need to be logged into U of C). Additional course materials such as lecture slides, assignments, handouts and links to additional resources will be made available on the course website *Cryptography Made Simple*, Nigel P. Smart (Springer 2016).
Unless otherwise noted by the instructor, all D2L/course webpage materials including lecture notes, lab worksheets and solutions, will be removed from the course site on January 10, 2017.
5. **Examination Policy:** Closed book, no aids of any kind are allowed. Students should also read the Calendar, Section G, on examinations.
6. **Writing across the Curriculum Statement:** In this course, the quality of the student's writing in the written problems on the homework assignments will be a factor in the evaluation of the assignments. See also Section [E.2](#) of the University Calendar
7. **OTHER IMPORTANT INFORMATION FOR STUDENTS:**
- (a) **Academic Misconduct:** (cheating, plagiarism, or any other form) is a very serious offence that will be dealt with rigorously in all cases. A single offence may lead to disciplinary probation or suspension or expulsion. The Faculty of Science follows a zero tolerance policy regarding dishonesty. Please read the sections of the University Calendar under [Section K](#). Student Misconduct to inform yourself of definitions, processes and penalties
 - (b) **Assembly Points:** In case of an emergency during class time, be sure to FAMILIARIZE YOURSELF with the information on [assembly points](#).
 - (c) **Academic Accommodation Policy:** Students with documentable disabilities are referred to the following links: [Calendar entry on students with disabilities](#) and [Student Accessibility Services](#). Students needing an Accommodation in relation to their coursework or to fulfill requirements for a graduate degree, based on a Protected Ground other than Disability, should communicate this need, preferably in writing, to the Associate Head of Mathematics and Statistics, Jim Stallard, by email at jbstall@ucalgary.ca or by phone at 403-220-3953.
 - (d) **Safewalk:** Campus Security will escort individuals day or night (<http://www.ucalgary.ca/security/safewalk/>). Call 403-220-5333 for assistance. Use any campus phone, emergency phone or the yellow phones located at most parking lot pay booths.
 - (e) **Freedom of Information and Privacy:** This course is conducted in accordance with the Freedom of Information and Protection of Privacy Act (FOIPPA). As one consequence, students should identify themselves on all written work by placing their name on the front page and their ID number on each subsequent page. For more information see also <http://www.ucalgary.ca/secretariat/privacy>.

(f) Student Union Information: VP Academic Phone: 220-3911 Email: suypaca@ucalgary.ca.

SU Faculty Rep. Phone: 220-3913 Email: msscience@su.ucalgary.ca

Student Ombuds Office: 220-6420 Email: ombuds@ucalgary.ca;

(g) Internet and Electronic Device Information: You can assume that in all classes that you attend, your cell phone should be turned off unless instructed otherwise. Also, communication with other individuals, via laptop computers, Blackberries or other devices connectable to the Internet is not allowed in class time unless specifically permitted by the instructor. If you violate this policy you may be asked to leave the classroom. Repeated abuse may result in a charge of misconduct.

(h) At the University of Calgary, feedback provided by students through the Universal Student Ratings of Instruction (USRI) survey provides valuable information to help with evaluating instruction, enhancing learning and teaching, and selecting courses (ucalgary.ca/usri). Your responses make a difference - please participate in USRI Surveys.