



**CARLETON UNIVERSITY  
SPROTT SCHOOL OF BUSINESS  
BUSI 4404 A  
WINTER 2023  
IT INFRASTRUCTURE**

**Instructor:** Ali Nazari  
**Office:** TBD  
**Office Hours:** Friday 1:00 – 2:00 PM by appointment  
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**TA:** TBD  
**Office Hours:** TBD  
**Email:** TBD

**CLASS TIME/ROOM:**

**Date and Time:** Jan 09, 2023 to Apr 12, 2023 Days: Tuesday Time: 18:05 - 20:55

**Building:** Loeb; Room No.: B146

**Modality:** In person

**Pre-requisites & Precluded Courses:** third-year standing, and BUSI 1401 or BUSI 2400 (with a grade of C- or or higher each).

Priority to students in BCom IS concentration and BPAPM - Comm. Info Tech  
Refer to registration priority list at [sprott.carleton.ca/registration](http://sprott.carleton.ca/registration).

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**Course Description**

Challenges and issues managers face in assembling the infrastructure for IT service delivery. IT Service levels, data communications, networks (LAN, MAN, WAN, wireless), internetworking, SOA, web services, SaaS, server and storage virtualization, network security, business continuity and disaster recovery.



**Learning outcomes:**

1. Understand data communication concepts, network models, and cybersecurity implications
2. Provide an applicable IT solution after diagnosing the business problem.
3. Explain layered systems architecture principles in computers and networks.
4. Explain different IT architectures and their components, including network devices, wired and wireless networks, network software, and security devices.
5. Explain how IT infrastructure components are integrated into solutions in different organizational environments.
6. Examine a proposed scenario for a virtual network and network operating system in a business example.
7. Provide a practical solution for IT infrastructure and design a network of different components, including servers, security devices, and several different computing clients.
8. Understand network concepts and network types to solve business problems.
9. Justify the role of cloud computing technology in a business network.
10. Identify new opportunities for organizations in the use of networks and proposed solutions.

**Reading(s)/Textbook(s) Materials:****Required Textbook**

Title: Business data communications and networking (2020, Fourteenth Edition)  
Authors: Jerry FitzGerald, Alan Dennis, Alexandra Durcikova  
Publisher: John Wiley & Sons  
ISBN: 9781119702849 (paperback)  
Textbook Website: <https://www.wiley.com/en-us/Business+Data+Communications+and+Networking%2C+14th+Edition-p-9781119702849>

**Additional Reading Textbook:**

Network+ Guide to Networks, 8th Edition Author: Jill West, Tamara Dean, Jean Andrews Publisher: Cengage Learning ISBN: 978-1337569330 3 of 10

**Lab and software**

**Objective and tool:** Use system development tools, i.e., Microsoft Office, Visio and MS Project, to support the information systems analysis and design process.

Note: Each student will be given access to the software. For MS Office Visio and Project software, please download from the following site: <http://dreamspark.carleton.ca/>.

**Course Requirements & Methods of Evaluation (including due dates):****Evaluation**

- Class participation (15%)
- Individual assignments (4 x 5% = 20%)
  - Assignment 1: Foundations Concepts - Due Date by Feb. 13th
  - Assignment 2: Network Technologies - Due Date by March. 6th
  - Assignment 3: Network Technologies - Due Date by March 27th
  - Assignment 4: Network Management - Due Date by April 10th
- Midterm (20%)- Due Date on March 7th

- Group term project (20%) - Due Date by April 11th
  - Proposal (10% of project grade) - Due Date by Jan 31st
  - Project report (50%) - Due Date by April 12th
  - Project presentation (40%) - Due Date by April 11<sup>th</sup>
- Final examination (25%)- TBD

Lectures, readings, case study analyses, assignments, and discussions are this course's primary teaching/learning methods. Before attending the lectures, students are expected to have studied the assigned readings and completed any online or written pre-class assignments or quizzes. The lecture topics are provided to the students through slides before the class through Brightspace. Assignments are published at least one week before the deadline. Assignments may be exemplary or optional with an informed case. The assignments aim to develop student's skills in understanding possible IT solutions in various contexts, designing information technology networks to solve problems, and identifying challenges in developing IT infrastructure. Each student is expected to contribute to the active learning environment through in-class and online discussions and will be graded according.

### **Class participation**

Active participation in the classroom is very important in this course. You will be measured by your involvement in the in-class exercises. Be prepared to respond to issues raised in class and bring questions and issues you encounter into the classroom.

### **Assignment and submission**

There will be four individual assignments. Individual assignments are due at the date and time indicated. Each assignment's file should be named properly and in the following format: busi4404A\_w23\_assignment#\_LastName\_CUID(e.g., busi4404A\_w23\_assignment#1\_Nazari\_100123456). Assignments must be submitted through Brightspace.

### **Group Term Project**

Team projects are a review and analysis of the current IT infrastructure of an organizational unit or a company. Challenges and problems in IT infrastructure are identified and investigated, and a plan to solve the problem is presented. By examining the current solutions, an applicable solution with its consequences from implementing changes in the IT infrastructure is expressed as a project solution. In the proposal, the detailed steps should be reported, including the problem statement, objective, existing solutions, the proposed solution, the implementation roadmap, and the possible consequences of the plan, along with the timeline and cost-benefit analysis. Students will work in groups of (max.) 4 for a term project. The group members will present the project topic as a proposal at the end of the third week of class. Besides, a bi-weekly project status report is expected of the teams. A final project report is due at the end of the term. A numerical grade (out of 100) will be assigned to the team's term project. The group term project deliverables are as follows:

#### **1. Proposal**

The proposal includes the title, problem/opportunity in the IT infrastructure of a business, project description, available information sources, technology and resources required, and possible changes to solve the problem or develop the infrastructure.

#### **2. Project Report & Presentation**

The report is prepared and submitted for IT infrastructure management and includes the following content:

- An overview of the business.
- A summary of the current IT infrastructure.
- A description of the problem you have faced.
- A proposed solution.

The report includes the title, table of contents, figures, tables, introduction, proposed plan to solve the problem with cost-benefit analysis, an implementation plan with a project timeline (short-term project), funding plan, resources needed, and limitations.

The introduction includes the introduction of the company's IT infrastructure and its technology, an explanation of the problem or the opportunity you have faced specifying the objective of the project, potential vendors, and a summary of possible solutions, along with mentioning their advantages and disadvantages. There are four relatively distinct areas in IT infrastructure projects, which include web development (human interactions with a machine), software, hardware, and network, and some of these technology areas that you can choose are:

- Big Data
- Office automation / IoT technologies
- Real-time access to data
- Mobility solutions
- AI / Machine Learning solutions
- Business Intelligence / Business Analytics
- Social media integration Satellite / GPS
- Remote work / Virtual Private Network Data Centers
- Managed Hosting IaaS, SaaS, and PaaS Frameworks
- Network management services
- Security and disaster recovery services
- Desktop management and support services Cloud / Distributed Computing
- Data Encryption Solutions
- Augmented reality

The report should be 4000 words without the table of contents, appendices, and figures.

Each team will be given 10-15 minutes to engage classmates about their projects. Presentations will be held in the last week of the term, and all team members should contribute to the presentation.

### ***3. Peer review evaluation***

Each student will be asked to complete a peer-review form for the team members' evaluation. Students should submit the peer evaluation form after reporting the term project. Each team member's project grade is determined based on peer evaluation. The peer-review grades are applied to each part of the proposal, presentation, and report.

### **Examination**

Final examination will be scheduled by the university and to be held in April 2023. The final exam release date is the last day of classes and the due date is the last day of examinations.

### **Important Dates and Deadlines**

Winter 2023: [The Academic Year, 2022/2023 University calendar](#)

### **Course Grade**

Students must meet the in-term performance criteria specified in this course outline to pass the course. The course grade is determined by the evaluation criteria and is subject to Dean's approval.

**Course Schedule:**

Week / Date	Topic	Reading
1- Jan. 10	<ul style="list-style-type: none"><li>- Data Communications Networks</li><li>- Network Models</li><li>- Network Standards</li><li>- Future Trends</li><li>- Implications for Cyber Security</li></ul>	Textbook: Chapter 1 Introduction to data communication
2- Jan. 17	<ul style="list-style-type: none"><li>- Application Architectures</li><li>- World Wide Web</li><li>- Email</li><li>- Other Applications</li></ul>	Textbook: Fundamental Concepts - Chapter 2 Application Layer
3- Jan. 24	<ul style="list-style-type: none"><li>- Circuits</li><li>- Communication Media</li><li>- Digital Transmission of Digital Data</li><li>- Analog Transmission of Digital Data</li><li>- Digital Transmission of Analog Data</li></ul>	Textbook: Fundamental Concepts - Chapter 3 Physical Layer
4- Jan. 31	<ul style="list-style-type: none"><li>- Media Access Control</li><li>- Error Control</li><li>- Data Link Protocols</li><li>- Transmission Efficiency</li></ul>	Textbook: Fundamental Concepts - Chapter 4 Data Link Layer
5- Feb. 7	<ul style="list-style-type: none"><li>- Transport and Network Layer Protocols</li><li>- Transport Layer Functions</li><li>- Addressing</li><li>- Routing</li><li>- TCP/IP Example</li></ul>	Textbook: Fundamental Concepts - Chapter 5 Network and Transport Layers
6. Feb. 14	<ul style="list-style-type: none"><li>- Network Architecture components</li><li>- Needs Analysis</li><li>- Technology Design</li><li>- Cost Assessment</li></ul>	Textbook: Network Technologies - Chapter 6 Network Design
Feb. 21	-	---
7. Feb. 28	<ul style="list-style-type: none"><li>- LAN Components</li><li>- Wired Ethernet</li><li>- Wireless Ethernet</li><li>- The Best Practice LAN Design</li><li>- Improving LAN Performance</li></ul>	Textbook: Network Technologies - Chapter 7 Wired and Wireless Local Area Networks
8. March 7	<ul style="list-style-type: none"><li>- Switched Backbones</li><li>- Routed Backbones</li><li>- Virtual LANs</li><li>- The Best Practice Backbone Design</li><li>- Improving Backbone Performance</li></ul>	Textbook: Network Technologies - Chapter 8 Backbone Networks
9. March 14	<ul style="list-style-type: none"><li>- Dedicated-Circuit Networks</li><li>- Packet-Switched Networks</li><li>- Virtual Private Networks</li><li>- The Best Practice WAN Design</li><li>- Improving WAN Performance</li></ul>	Textbook: Network Technologies - Chapter 9 Wide Area Networks
10. March 21	<ul style="list-style-type: none"><li>- How the Internet Works</li><li>- Internet Access Technologies</li><li>- The Future of the Internet</li></ul>	Textbook: Network Technologies - Chapter 10 The Internet
11. March 28	<ul style="list-style-type: none"><li>- Risk Assessment</li><li>- Ensuring Business Continuity</li></ul>	Textbook: Network Management - Chapter 11

	<ul style="list-style-type: none"> <li>- Intrusion Prevention</li> <li>- Best Practice Recommendations</li> </ul>	Network Security
12. April 4	<ul style="list-style-type: none"> <li>- Designing for Network Performance</li> <li>- Configuration Management</li> <li>- Performance and Fault Management</li> <li>- End User Support</li> <li>- Cost Management</li> <li>- Implications for Cyber Security</li> </ul>	Textbook: Network Management - Chapter 12 Network Management
13. April 11	Project presentation	Groups: TBD

**Contribution to Learning Goals of the Program ([BCom](#), [BIB](#)):**

<b>Program Learning Goal</b>	<b>Competencies Not Covered</b>	<b>Competencies Introduced (only)</b>	<b>Competencies Taught But Not Assessed</b>	<b>Competencies Taught and Assessed</b>
<b>CHECK (X) ONE PER ROW</b>				
<b>BC1 Knowledge</b> <i>Graduates will be skilled in applying foundational business knowledge to appropriate business contexts.</i>				<b>x</b>
<b>BC2 Collaboration</b> <i>Graduates will be collaborative and effective contributors in team environments that respect the experience, expertise and interest of all members.</i>				<b>x</b>
<b>BC3 Critical Thinking</b> <i>Graduates will be discerning critical thinkers, able to discuss different viewpoints, challenge biases and assumptions, and draw conclusions based on analysis and evaluation.</i>			<b>x</b>	
<b>BC4 Communication</b> <i>Graduates will be effective and persuasive in their communications.</i>				<b>x</b>
<b>BI5 Global Awareness (BIB ONLY)</b> <i>Graduates will be globally-minded.</i>				

**ADDITIONAL INFORMATION**

**Course Sharing Websites**

Materials created for this course (including presentations and posted notes, labs, case studies, assignments and exams) remain the intellectual property of the author(s). They are intended for personal use and may not be reproduced or redistributed without prior written consent of the author(s).

### **Required calculator in BUSI course examinations**

If you are purchasing a calculator, we recommend any one of the following options: Texas Instruments BA II Plus (including Pro Model), Hewlett Packard HP 12C (including Platinum model), Staples Financial Calculator, Sharp EL-738C & Hewlett Packard HP 10bII

### **Group work**

The Sprott School of Business encourages group assignments in the school for several reasons. They provide you with opportunities to develop and enhance interpersonal, communication, leadership, follower-ship and other group skills. Group assignments are also good for learning integrative skills for putting together a complex task. Your professor may assign one or more group tasks/assignments/projects in this course. Before embarking on a specific problem as a group, it is your responsibility to ensure that the problem is meant to be a group assignment and not an individual one.

In accordance with the Carleton University Undergraduate Calendar (p 34), the letter grades assigned in this course will have the following percentage equivalents:

A+ = 90-100	B+ = 77-79	C+ = 67-69	D+ = 57-59
A = 85-89	B = 73-76	C = 63-66	D = 53-56
A - = 80-84	B - = 70-72	C - = 60-62	D - = 50-52
F = Below 50			

Grades entered by Registrar:

WDN = Withdrawn from the course

DEF = Deferred

### **Academic Regulations**

University rules regarding registration, withdrawal, appealing marks, and most anything else you might need to know can be found on the university's website, here:

<http://calendar.carleton.ca/undergrad/regulations/academicregulationsoftheuniversity/>

### **Requests for Academic Accommodation**

You may need special arrangements to meet your academic obligations during the term. For an accommodation request, the processes are as follows:

#### **Pregnancy Accommodation**

Please contact your instructor with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist. For more details, visit the Equity Services website: [carleton.ca/equity/wp-content/uploads/Student-Guide-to-Academic-Accommodation.pdf](http://carleton.ca/equity/wp-content/uploads/Student-Guide-to-Academic-Accommodation.pdf)

#### **Religious obligation**

Please contact your instructor with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist. For more details, visit the Equity Services website: [carleton.ca/equity/wp-content/uploads/Student-Guide-to-Academic-Accommodation.pdf](http://carleton.ca/equity/wp-content/uploads/Student-Guide-to-Academic-Accommodation.pdf)

### **Academic Accommodations for Students with Disabilities**

If you have a documented disability requiring academic accommodations in this course, please contact the Paul Menton Centre for Students with Disabilities (PMC) at 613-520-6608 or [pmc@carleton.ca](mailto:pmc@carleton.ca) for a formal evaluation or contact your PMC coordinator to send your instructor your Letter of

Accommodation at the beginning of the term. You must also contact the PMC no later than two weeks before the first in-class scheduled test or exam requiring accommodation (if applicable). After requesting accommodation from PMC, meet with your instructor as soon as possible to ensure accommodation arrangements are made. [carleton.ca/pmc](https://carleton.ca/pmc)

### **Survivors of Sexual Violence**

As a community, Carleton University is committed to maintaining a positive learning, working and living environment where sexual violence will not be tolerated, and its survivors are supported through academic accommodations as per Carleton's Sexual Violence Policy. For more information about the services available at the university and to obtain information about sexual violence and/or support, visit: [carleton.ca/sexual-violence-support](https://carleton.ca/sexual-violence-support)

### **Accommodation for Student Activities**

Carleton University recognizes the substantial benefits, both to the individual student and for the university, that result from a student participating in activities beyond the classroom experience. Reasonable accommodation must be provided to students who compete or perform at the national or international level. Please contact your instructor with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist. <https://carleton.ca/senate/wp-content/uploads/Accommodation-for-Student-Activities-1.pdf>

For more information on academic accommodation, please contact the departmental administrator or visit: [students.carleton.ca/course-outline](https://students.carleton.ca/course-outline)

### **Academic Integrity**

Violations of academic integrity are a serious academic offence. Violations of academic integrity – presenting another's ideas, arguments, words or images as your own, using unauthorized material, misrepresentation, fabricating or misrepresenting research data, unauthorized co-operation or collaboration or completing work for another student – weaken the quality of the degree and will not be tolerated.

Process: If an alleged violation occurs, all relevant documentation will be forwarded to the Dean. If the allegation proves true, the penalties may include; a grade of Failure on the submitted work and/or course; academic probation; a refusal of permission to continue or to register in a specific degree program; suspension from full-time studies; suspension from all studies at Carleton; expulsion from Carleton, amongst others. **For a first offence, at a minimum, the penalty assigned will normally be a zero on the submitted work and at least a minimum full grade reduction of the final course grade. For a second offence, at a minimum, the penalty assigned will normally lead to a suspension from studies.**

Students are expected to familiarize themselves with and follow the Carleton University Student Academic Integrity Policy which is available, along with resources for compliance at: <https://carleton.ca/registrar/academic-integrity/>.

### **Sprott Student Services**

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The Sprott Undergraduate Student Services Office offers program advising and overall student success support. Our team is available to discuss your academic goals and your program progression plans. We can also work with you to develop strategies for success, including study skills for Business. If you experience any difficulty this term or if you would like to access support, please contact our team at [bcom@sprott.carleton.ca](mailto:bcom@sprott.carleton.ca) or at [bib@sprott.carleton.ca](mailto:bib@sprott.carleton.ca).

### **Centre for Student Academic Support**

The Centre for Student Academic Support (CSAS) is a centralized collection of learning support services designed to help students achieve their goals and improve their learning both inside and outside the classroom. CSAS offers academic assistance with course content, academic writing and skills development. Visit CSAS on the 4th floor of MacOdrum Library or online at: [carleton.ca/csas](https://carleton.ca/csas).

### **Important Information:**

- Students must always retain a copy of all work that is submitted.
  - All final grades are subject to the Dean's approval.
  - For us to respond to your emails, we need to see your full name, CU ID, and the email must be written from your valid CARLETON address. Therefore, in order to respond to your inquiries, please send all email from your Carleton CMail account. If you do not have or have yet to activate this account, you may wish to do so by visiting <https://carleton.ca/its/get-started/new-students-2/>
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### **Covid-19 Information:**

It is important to remember that COVID is still present in Ottawa. The situation can change at any time and the risks of new variants and outbreaks are very real. There are a number of actions you can take to lower your risk and the risk you pose to those around you including being vaccinated, wearing a mask, staying home when you're sick, washing your hands and maintaining proper respiratory and cough etiquette.

Feeling sick? Remaining vigilant and not attending work or school when sick or with symptoms is critically important. If you feel ill or exhibit COVID-19 symptoms do not come to class or campus. If you feel ill or exhibit symptoms while on campus or in class, please leave campus immediately. In all situations, you must follow Carleton's symptom reporting protocols.

Masks: Carleton has paused the COVID-19 Mask Policy, but continues to strongly recommend masking when indoors, particularly if physical distancing cannot be maintained. It may become necessary to quickly reinstate the mask requirement if pandemic circumstances were to change.

Vaccines: Further, while proof of vaccination is no longer required as of May 1 to attend campus or in-person activity, it may become necessary for the University to bring back proof of vaccination requirements on short notice if the situation and public health advice changes. Students are strongly encouraged to get a full course of vaccination, including booster doses as soon as they are eligible, and submit their booster dose information in cuScreen as soon as possible. Please note that Carleton cannot guarantee that it will be able to offer virtual or hybrid learning options for those who are unable to attend the campus.

All members of the Carleton community are required to follow requirements and guidelines regarding health and safety which may change from time to time. For the most recent information about Carleton's COVID-19 response and health and safety requirements please see the University's COVID-19 website and review the Frequently Asked Questions (FAQs). Should you have additional questions after reviewing, please contact [covidinfo@carleton.ca](mailto:covidinfo@carleton.ca).

## Course Calendar description from the 2022/23 Winter University calendar:

Date	Activity
WINTER TERM 2023	
January 2, 2023	Deadline for course outlines to be made available to students registered in full winter and early winter term courses.
January 4, 2023	University reopens.
January 9, 2023	Winter term begins. Full winter and early winter classes begin.
January 13, 2023	Last day for registration and course changes (including auditing) in early winter courses.
January 20, 2023	Last day for registration and course changes (including auditing) in full winter and late winter courses.
	Last day to withdraw from early winter courses with a full fee adjustment. Withdrawals after this date will result in a permanent notation of WDN on the official transcript.
	Graduate students who have not electronically submitted their final thesis copy to the Faculty of Graduate and Postdoctoral Affairs will not be eligible to graduate in winter 2023 and must register for the winter 2023 term.
January 20-22, 27-29, 2023	Full fall and late fall term deferred final examinations will be held.
January 27, 2023	Last day to request Formal Examination Accommodation Forms for Feb/Mar final examinations to the Paul Menton Centre for Students with Disabilities. Note that it may not be possible to fulfil accommodation requests received after the specified deadlines.
January 31, 2023	Last day to withdraw from full winter courses with a full fee adjustment. Withdrawals after this date will result in a permanent notation of WDN on the official transcript.
February 1, 2023	Last day for academic withdrawal from early winter courses.
February 10, 2023	Last day for summative tests or examinations, or formative tests or examinations totaling more than 15% of the final grade, in early winter term undergraduate courses, before the

Date	Activity
	official Feb/Mar final examination period (see examination regulations in the Academic Regulations of the University section of the Undergraduate Calendar/General Regulations of the Graduate Calendar).
February 17, 2023	Last day of early winter classes.
	Last day for final take-home examinations to be assigned, with the exception of those conforming to the examination regulations in the Academic Regulations of the University section of the Undergraduate Calendar/General Regulations of the Graduate Calendar.
	Last day for handing in term work and the last day that can be specified by a course instructor as a due date for term work for early winter courses.
	April examination schedule available online.
February 20, 2023	Statutory holiday. University closed.
	Deadline for course outlines to be made available to students registered in late winter courses.
February 20-24, 2023	Winter break, no classes.
February 25-26, March 4-5, 2023	Final examinations in early winter undergraduate courses will be held.
February 27, 2023	Late winter classes begin.
March 1, 2023	Last day for graduate students to submit their supervisor-approved thesis, in examinable form to the department.
	Last day for receipt of applications to Bachelor of Architecture, Bachelor of Industrial Design, Bachelor of Information Technology (Interactive Multimedia and Design), Bachelor of Music and Bachelor of Social Work degree programs for the fall/winter session.

Date	Activity
	Last day for receipt of applications for admission to an undergraduate program for the summer term.
	Last day for receipt of applications for admission from candidates who wish to be guaranteed consideration for financial assistance (including Carleton fellowships, scholarships and teaching assistantships) administered by Carleton University. Candidates whose applications are received after the March 1 deadline may be considered for the award of a fellowship, scholarship or teaching assistantship (Graduate students only).
March 10, 2023	Last day to withdraw from late winter term courses with a full fee adjustment. Withdrawals after this date will result in a permanent notation of WDN on the official transcript.
March 15, 2023	Last day for academic withdrawal from full winter, late winter, and fall/winter courses.
	Last day to request Formal Examination Accommodation Forms for April full winter, late winter, and fall/winter final examinations to the Paul Menton Centre for Students with Disabilities. Note that it may not be possible to fulfil accommodation requests received after the specified deadlines.
March 17-19, 2023	Early winter undergraduate deferred final examinations will be held.
March 29, 2023	Last day for summative tests or examinations, or formative tests or examinations totaling more than 15% of the final grade, in full winter term or fall/winter undergraduate courses, before the official April final examination period (see examination regulations in the Academic Regulations of the University section of the Undergraduate Calendar/General Regulations of the Graduate Calendar).
April 1, 2023	Last day for receipt of applications for admission to an undergraduate degree program for the fall/winter session from applicants whose documents originate from outside Canada or the United States, except for applications due February 1 or March 1.
	Last day for receipt of applications from potential spring (June) graduates.
April 5, 2023	Last day for summative tests or examinations, or formative tests or examinations totaling more than 15% of the final grade, in late winter term undergraduate courses, before the official final examination period (see examination regulations in the Academic Regulations of the University section of the Undergraduate Calendar/General Regulations of the Graduate Calendar).
April 7, 2023	Statutory holiday. University closed.

Date	Activity
April 12, 2023	<p>Winter term ends.</p> <p>Last day of full winter, late winter, and fall/winter classes.</p> <p>Classes follow a Friday schedule (full winter and late winter courses).</p> <p>Last day for final take-home examinations to be assigned, with the exception of those conforming to the examination regulations in the Academic Regulations of the University section of the Undergraduate Calendar/General Regulations of the Graduate Calendar.</p> <p>Last day for handing in term work and the last day that can be specified by a course instructor as a due date for term work for full winter and late winter courses.</p>
April 13-14, 2023	No classes or examinations take place.
April 15-27, 2023	Final examinations in full winter, late winter, and fall/winter courses will be held. Examinations are normally held all seven days of the week.
April 27, 2023	All final take-home examinations are due on this day, with the exception of those conforming to the examination regulations in the Academic Regulations of the University section of the Undergraduate Calendar/General Regulations of the Graduate Calendar.
May 1, 2023	Last day for receipt of applications for undergraduate internal degree transfers to allow for registration for the summer session.
May 13, 2023	Graduate students who have not electronically submitted their final thesis copy to the Faculty of Graduate and Postdoctoral Affairs will not be eligible to graduate in spring 2023 and must register for the summer 2023 term.
May 19-31, 2023	Full winter, late winter, and fall/winter deferred final examinations will be held.
June 1, 2023	Last day for receipt of applications for admission to an undergraduate program for the fall/winter session except for applications due March 1 or April 1.
June 15, 2023	Last day for receipt of applications for undergraduate degree program transfers for the fall term.