The following listings were last updated on 01/04/2022. For up-to-the minute information, please View Schedule of Classes via ConnectND CampusConnection.

Computer Science (CSCI) Harrington Hall	PHONE: 777-	4107
---	-------------	------

SEC CLASS#	TIME	DAY	BLDGROOM	INSTRUCTOR		
CSCI 101	Introduction		, ,			
01 9286	1:25p-2:15p	MWF	LENRD 110	(42) -	On Ca	28 EN: 14 WT: 10 ampus Face to Fa DFORKS
02 9297	TBA		UND ONLINE	(999) -		50 EN: 35 WT: 20 ne Asynchronous JF
	during the 1: Online course courses that ProctorU. For	st week o es are co have exa r more in	f class. A UND nducted fully t ms, instructors formation visit	lackboard Site for e-mail account is hrough Internet ins may require them t dents/semester-base	required. struction. For to be supervise	online
CSCI 110 01 9309	Intro to Com 9:30a-10:45a		ence (3cr) CECOMP 209	(36) P-Stokke, 1	On Ca	32 EN: 5 WT: 10 ampus Face to Fa DFORKS
02 9316	TBA		UND ONLINE	(999) P-Stokke, 1	CP:10	00 EN: 11 WT: 20 ne Asynchronous
	during the 1: Online course courses that ProctorU. For	st week o es are co have exa r more in	f class. A UND nducted fully t ms, instructors formation visit	lackboard Site for e-mail account is hrough Internet ins may require them t dents/semester-base	required. struction. For to be supervise	online
CSCI 130 01 10210	Intro Scient: 2:30p-3:20p 4:00p-6:00p	ific Prog MWF W	ramming (4cr) HARRI 324 CECOMP 209	(72) P-Nordlie, (36) P-	On Ca	36 EN: 10 WT: 10 ampus Face to Fa DFORKS
02 10211	2:30p-3:20p 6:00p-8:00p	MWF W	HARRI 324 CECOMP 209	(72) P-Nordlie, (36) P-	J CP: 3 On Ca	B5 EN: 4 WT: 10 Ampus Face to Fa DFORKS
03 10212	ТВА		UND ONLINE	(999) P-Nordlie,	J CP: 3	36 EN: 29 WT: 10 ne Asynchronous

You are required to go to your UND Blackboard Site for course information

during the 1st week of class. A UND e-mail account is required. Online courses are conducted fully through Internet instruction. For online courses that have exams, instructors may require them to be supervised by ProctorU. For more information visit

https://und.edu/academics/online/students/semester-based-exams.html.

CSCI 160 Computer Science I (4cr)

01

9260 9:05a-9:55a MWF ED 113 (110) P-Stokke, T CP: 72 EN: 34 WT: 15 On Campus Face to Fa

GRANDFORKS

"No lab first week of school

02 9311 TBA UND ONLINE (999) P-Stokke, T CP:100 EN: 50 WT: 20

Online Asynchronous

ONLINE

You are required to go to your UND Blackboard Site for course information during the 1st week of class. A UND e-mail account is required. Online courses are conducted fully through Internet instruction. For online courses that have exams, instructors may require them to be supervised by

https://und.edu/academics/online/students/semester-based-exams.html.

CSCI 160 Computer Science I (Ocr)

ProctorU. For more information visit

LO1 9300 5:00p-7:00p T CECOMP 209 (36) P-Stokke, T CP: 30 EN: 30 WT: 10 On Campus Face to Fa

GRANDFORKS

Required to enroll in both CSCI 160 & CSCI 160L in the same semester.

LO2 9301 7:00p-9:00p R CECOMP 209 (36) P-Stokke, T CP: 30 EN: 10 WT: 10 On Campus Face to Fa

Required to enroll in both CSCI 160 & CSCI 160L in the same semester.

LO3 9313 TBA UND ONLINE (999) P-Stokke, T CP:100 EN: 44 WT: 20

Online Asynchronous

ONLINE

GRANDFORKS

You are required to go to your UND Blackboard Site for course information during the 1st week of class. A UND e-mail account is required.

Online courses are conducted fully through Internet instruction. For online

Online courses are conducted fully through Internet instruction. For online courses that have exams, instructors may require them to be supervised by ProctorU. For more information visit

https://und.edu/academics/online/students/semester-based-exams.html.

CSCI 161 Computer Science II (4cr)

01 9261 1:25p-2:15p MWF HARRI 324 (72) P-Nordlie, J CP: 72 EN: 33 WT: 15 On Campus Face to Fa

GRANDFORKS

Prerequisites: CSCI 160 with a grade of C or better or CSCI 130 with a grade of C or better, and MATH 103 or MATH 107; concurrent enrollment in Math 208 is recommended.

"No lab first week of school

02 9312 TBA UND ONLINE (999) P-Nordlie, J CP:100 EN: 16 WT: 20 Online Asynchronous

ONLINE

Prerequisites: CSCI 160 with a grade of C or better or CSCI 130 with a grade of C or better, and MATH 103 or MATH 107; concurrent enrollment in Math 208 is recommended.

You are required to go to your UND Blackboard Site for course information during the 1st week of class. A UND e-mail account is required. Online courses are conducted fully through Internet instruction. For online courses that have exams, instructors may require them to be supervised by ProctorU. For more information visit

https://und.edu/academics/online/students/semester-based-exams.html.

CSCI 161 Computer Science II (Ocr)

LO1 9302 5:00p-7:00p R CECOMP 209 (36) P-Nordlie, J CP: 30 EN: 16 WT: 10 On Campus Face to Fa

GRANDFORKS

Prerequisites: CSCI 160 with a grade of C or better or CSCI 130 with a grade of C or better, and MATH 103 or MATH 107; concurrent enrollment in Math 208 is

Required to enroll in both CSci 161 & CSci 161L in the same semester.

LO2 9303 7:00p-9:00p T CECOMP 209 (36) P-Nordlie, J CP: 30 EN: 13 WT: 10 On Campus Face to Fa

GRANDFORKS

Prerequisites: CSCI 160 with a grade of C or better or CSCI 130 with a grade of C or better, and MATH 103 or MATH 107; concurrent enrollment in Math 208 is recommended.

Required to enroll in both CSci 161 & CSci 161L in the same semester.

LO3 9314 TBA UND ONLINE (999) P-Nordlie, J CP:100 EN: 20 WT: 20 Online Asynchronous

ONLINE

Prerequisites: CSCI 160 with a grade of C or better or CSCI 130 with a grade of C or better, and MATH 103 or MATH 107; concurrent enrollment in Math 208 is recommended.

You are required to go to your UND Blackboard Site for course information during the 1st week of class. A UND e-mail account is required. Online courses are conducted fully through Internet instruction. For online courses that have exams, instructors may require them to be supervised by ProctorU. For more information visit

https://und.edu/academics/online/students/semester-based-exams.html.

CSCI 242 Algorithms and Data Structures (3cr)

01 9262 11:00a-12:15 TR HARRI 324 (72) P-Kim, M CP: 53 EN: 24 WT: 10 On Campus Face to Fa

GRANDFORKS

Prerequisites: CSCI 161 with a C or better and MATH 208.

02 9319 TBA UND ONLINE (999) P-Kim, M CP:100 EN: 10 WT: 20 Online Asynchronous

ONI THE

Prerequisites: CSCI 161 with a C or better and MATH 208.

You are required to go to your UND Blackboard Site for course information during the 1st week of class. A UND e-mail account is required.

Online courses are conducted fully through Internet instruction. For online courses that have exams, instructors may require them to be supervised by ProctorU. For more information visit

 $\verb|https://und.edu/academics/online/students/semester-based-exams.html.|$

CSCI 266 Tools and Tech. of Computing (3cr)

01 17243 12:30-1:45p TR HARRI 218 (47) P-Nordlie, J CP: 32 EN: 9 WT: 10

On Campus Face to Fa

GRANDFORKS

Prerequisite: CSCI 265 with a grade of C or better.

02 17244 TBA UND ONLINE (999) P-Nordlie, J

CP:100 EN: 8 WT: 20 Online Asynchronous

ONLINE

Prerequisite: CSCI 265 with a grade of C or better.

You are required to go to your UND Blackboard Site for course information $% \left(1\right) =\left(1\right) \left(1\right)$

during the 1st week of class. A UND e-mail account is required. Online courses are conducted fully through Internet instruction. For online

courses that have exams, instructors may require them to be supervised by ProctorU. For more information visit

eller (/ eller / eller

https://und.edu/academics/online/students/semester-based-exams.html.

CSCI 270 Programming for Data Science (3cr)

02 9320 TBA UND ONLINE (999) P-Nordlie, J CP:100 EN: 12 WT: 20 Online Asynchronous

ONLINE

Prerequisite: CSCI 161 with a grade of C or better.

You are required to go to your UND Blackboard Site for course information during the 1st week of class. A UND ${\it e-mail}$ account is required.

Online courses are conducted fully through Internet instruction. For online courses that have exams, instructors may require them to be supervised by ProctorU. For more information visit

https://und.edu/academics/online/students/semester-based-exams.html.

CSCI 270 Programming for Data Science (3cr)

Python

02

01 9317 9:30a-10:45a TR HARRI 324 (72) P-Nordlie, J CP: 72 EN: 6 WT: 15 On Campus Face to Fa

On Campus Face to Fa

Prerequisite: CSCI 161 with a grade of C or better.

CSCI 289 Soc Imp of Computer Technology (3cr)

01 9315 4:40p-5:30p MWF CECOMP 205 (36) P-Grant, E CP: 35 EN: 11 WT: 10

On Campus Face to Fa

GRANDFORKS
9310 TBA UND ONLINE (999) P-Grant, E CP:100 EN:

CP:100 EN: 14 WT: 20 Online Asynchronous

Online Asynchror
ONLINE

You are required to go to your UND Blackboard Site for course information

during the 1st week of class. A UND e-mail account is required.

Online courses are conducted fully through Internet instruction. For online courses that have exams, instructors may require them to be supervised by

ProctorU. For more information visit

 $\verb|https://und.edu/academics/online/students/semester-based-exams.html.|$

CSCI 290 Cyber-Sec and Info Assurance (3cr)

01 9298 TBA UND ONLINE (999) P-Hammer, K CP:100 EN: 60 WT: 15

Online Asynchronous

ONLINE

You are required to go to your UND Blackboard Site for course information during the 1st week of class. A UND e-mail account is required.

Online courses are conducted fully through Internet instruction. For online courses that have exams, instructors may require them to be supervised by

ProctorU. For more information visit https://und.edu/academics/online/students/semester-based-exams.html.

CSCI 297 01 9308	Experiential Learning TBA T	(1-3cr)	P-Nordlie, J	CP: 25 EN: 2 WT: 5 On Campus Face to Fa GRANDFORKS
	Prerequisite: CSCI 161			diffiniti office
CSCI 330	Systems Programming	(3cr)		
01 9295	11:15a-12:05 MWF	CECOMP 205 (3	6) P-Marsh, R	CP: 36 EN: 9 WT: 20 On Campus Face to Fa GRANDFORKS
02 9318	Prerequisite: CSCI 265 TBA	-	or better. 99) P-Marsh, R	CP:100 EN: 12 WT: 20 Online Asynchronous ONLINE
	Prerequisite: CSCI 265	with a grade of C	or hetter	ONLINE
	You are required to go	-		information
	during the 1st week of	•		
	Online courses are cond		·	
	courses that have exams	s, instructors may	require them to be su	pervised by
	ProctorU. For more info	ormation visit		
	https://und.edu/academ	ics/online/student	s/semester-based-exams	s.html.
CSCI 364	Conc. & Distd. program	ming (3cr)		
01 9307	2:00p-3:15p TR	• '	2) P-Apostal, D	CP: 40 EN: 2 WT: 10
		`	, , ,	On Campus Face to Fa GRANDFORKS
	Prerequisites: CSCI 242	2 and CSCI 266, ea	ch with a grade of C o	or better.
02 9322	ТВА	UND ONLINE (9	99) P-Apostal, D	CP:100 EN: 0 WT: 20 Online Asynchronous ONLINE
	Prerequisites: CSCI 242	2 and CSCT 266 ea	ch with a grade of C o	
	You are required to go	•		
	during the 1st week of	•		
	Online courses are cond		·	
	courses that have exams	s, instructors may	require them to be su	pervised by
	ProctorU. For more info			
	https://und.edu/academi	ics/online/student	s/semester-based-exams	s.html.
CSCI 365	Org of Programming Lang	g (3cr)		
01 9263	2:30p-3:20p MWF	• • •	0) P-Stokke, T	CP: 40 EN: 9 WT: 10
				On Campus Face to Fa GRANDFORKS
	Prerequisites: CSCI 242	2 and CSCI 265, ea	ch with a grade of C o	or better.
02 9323	ТВА	UND ONLINE (9	99) P-Stokke, T	CP:100 EN: 9 WT: 20 Online Asynchronous ONLINE
	Prerequisites: CSCI 242	2 and CSCI 265, ea	ch with a grade of C o	

Prerequisites: CSCI 242 and CSCI 265, each with a grade of C or better. You are required to go to your UND Blackboard Site for course information during the 1st week of class. A UND e-mail account is required. Online courses are conducted fully through Internet instruction. For online courses that have exams, instructors may require them to be supervised by

ProctorU. For more information visit https://und.edu/academics/online/students/semester-based-exams.html.

CSCI 3	370 9284	Computer Architecture 10:10a-11:00a MW 10:10a-11:00a TR	(4cr) LENRD 109 LENRD 107) (111) P-Hu, W (32) P-	CP: 32 EN: 7 WT: 10 On Campus Face to Fa
02 9	9324			e of C or better, EE 201 (999) P-Hu, W	GRANDFORKS
		You are required to go during the 1st week of Online courses are con courses that have exam ProctorU. For more inf	to your UND E class. A UNI ducted fully s, instructors ormation visit	e of C or better, EE 201 Blackboard Site for cours D e-mail account is requi through Internet instruc- s may require them to be t udents/semester-based-exa	, and EE 201L. se information ired. tion. For online supervised by
CSCI 3	384 9285	Artificial Intelligenc 3:30p-4:45p TR	UPS2 263) (31) P-Kim, M	CP: 22 EN: 3 WT: 5 On Campus Face to Fa GRANDFORKS
02 9	9321	Prerequisite: CSCI 242 TBA	UND ONLINE	(999) P-Kim, M	CP:100 EN: 7 WT: 20 Online Asynchronous ONLINE
		during the 1st week of Online courses are con courses that have exam ProctorU. For more inf	to your UND E class. A UNI ducted fully f s, instructors ormation visit	Blackboard Site for cours De-mail account is requithrough Internet instructs s may require them to be t udents/semester-based-exa	ired. tion. For online supervised by
CSCI 3	389 9264	Computer & Network Sec 2:00p-3:15p TR	HARRI 218) (47) P-Liu, J	CP: 36 EN: 4 WT: 10 On Campus Face to Fa GRANDFORKS
02 9	9325	Prerequisite: CSCI 161 TBA	UND ONLINE	(999) P-Liu, J	CP:100 EN: 9 WT: 20 Online Asynchronous ONLINE
		during the 1st week of Online courses are con courses that have exam ProctorU. For more inf	to your UND E class. A UNI ducted fully f s, instructors ormation visit	Blackboard Site for cours De-mail account is requi through Internet instruct S may require them to be t udents/semester-based-exa	se information ired. tion. For online supervised by
CSCI 3	397 9304	Cooperative Education TBA	(1cr)) P-Stokke, T	CP: 10 EN: 0 WT: 0 On Campus Face to Fa

COOP HT

Prerequisites: Declared Computer Science major with 15 completed credits in CSCI including CSCI 230 and CSCI 242.

Requires Permission of Department This class will meet in Upson II 366

CSCI 397 Cooperative Education

02 9305 TRA P-Stokke, T CP: 10 EN: 0 WT: 0 On Campus Face to Fa

(2cr)

Prerequisites: Declared Computer Science major with 15 completed credits in

CSCI including CSCI 230 and CSCI 242. Requires Permission of Department This class will meet in Upson II 366

CSCI 448 Computer Graphics II

01 17241 2:30p-3:20p MWF HARRI 217 (48) P-Marsh, R CP: 32 EN: 0 WT: 5

On Campus Face to Fa

GRANDFORKS

Prerequisite: CSCI 446.

UND ONLINE CP:100 EN: 1 WT: 20 02 17242 (999) P-Marsh, R

Online Asynchronous

ONLINE

Prerequisite: CSCI 446.

You are required to go to your UND Blackboard Site for course information during the 1st week of class. A UND e-mail account is required.

Online courses are conducted fully through Internet instruction. For online courses that have exams, instructors may require them to be supervised by

https://und.edu/academics/online/students/semester-based-exams.html.

CSCI 455 Database Management Systems (3cr)

11:00a-12:15 TR HARRT 204 (29) P-Reza, H CP: 30 EN: 11 WT: 10 01 9273

On Campus Face to Fa

GRANDFORKS

Prerequisite: CSCI 242 with a grade of C or better.

ProctorU. For more information visit

CP:100 FN: 11 WT: 20 9326 02 UND ONLINE (999) P-Reza, H

Online Asynchronous

ONLINE

Prerequisite: CSCI 242 with a grade of C or better.

You are required to go to your UND Blackboard Site for course information during the 1st week of class. A UND e-mail account is required.

Online courses are conducted fully through Internet instruction. For online courses that have exams, instructors may require them to be supervised by

ProctorU. For more information visit https://und.edu/academics/online/students/semester-based-exams.html.

CSCI 463 Software Engineering (3cr)

01 9274 3:30p-4:45p LENRD 110 (42) P-Reza, H CP: 40 EN: 3 WT: 10

On Campus Face to Fa

GRANDFORKS

Prerequisites: CSCI 242 and CSCI 363.

02 9327 UND ONLINE (999) P-Reza, H CP:100 EN: 7 WT: 20

Online Asynchronous

Prerequisites: CSCI 242 and CSCI 363.

You are required to go to your UND Blackboard Site for course information during the 1st week of class. A UND e-mail account is required. Online courses are conducted fully through Internet instruction. For online

courses that have exams, instructors may require them to be supervised by ProctorU. For more information visit

https://und.edu/academics/online/students/semester-based-exams.html.

CSCI 493 Senior Project II (3cr)

HARRI 324 CP: 40 EN: 9 WT: 10 9296 3:30p-4:45p (72) P-Nordlie, J 01

On Campus Face to Fa

GRANDFORKS

Prerequisite: CSCI 492.

Co-req: CSci 495

CP:100 EN: 8 WT: 20 02 9334 TRA UND ONLINE (999) P-Nordlie, J

Online Asynchronous

ONLINE

Prerequisite: CSCI 492.

You are required to go to your UND Blackboard Site for course information during the 1st week of class. A UND e-mail account is required. Online courses are conducted fully through Internet instruction. For online

courses that have exams, instructors may require them to be supervised by ProctorU. For more information visit

https://und.edu/academics/online/students/semester-based-exams.html.

CSCI 493H Senior Project II (3cr)

03 18117 3:30p-4:45p HARRI 324 (72) P-Nordlie, J CP: 5 EN: 1 WT: 0

On Campus Face to Fa

GRANDFORKS

Prerequisite: CSCI 492. Honors Program Students Only

Honors section

CSCI 494 Special Projects (1-3cr)

9265 P-Marsh, R CP: 10 EN: 0 WT: 5 TBA

On Campus Face to Fa

GRANDFORKS

Prerequisite: Consent of instructor. Requires Permission of Department This class will meet in Upson II 366

02 9266 TBA P-Grant, E CP: 10 EN: 0 WT: 5

On Campus Face to Fa

GRANDFORKS

Prerequisite: Consent of instructor. Requires Permission of Department This class will meet in Upson II 366

CP: 10 EN: 0 WT: 5 03 9267 TBA P-Hu, W

On Campus Face to Fa

GRANDFORKS

Prerequisite: Consent of instructor. Requires Permission of Department This class will meet in Upson II 366

9268 P-Nordlie, J CP: 20 EN: 0 WT: 5 TBA

0n	Campus	Face	to	Fa
GRA	NDEOBK	2		

			GRANDFORKS
	Prerequisite: Consent of instructor.		
	Requires Permission of Department This class will meet in Upson II 366		
05 9269	ТВА	P-Reza, H	CP: 10 EN: 0 WT: 5 On Campus Face to Fa GRANDFORKS
	Prerequisite: Consent of instructor. Requires Permission of Department		
22 227	This class will meet in Upson II 366	B 141 11	OD 40 EN 0 WE E
06 9270	TBA	P-Kim, M	CP: 10 EN: 0 WT: 5 On Campus Face to Fa GRANDFORKS
	Prerequisite: Consent of instructor. Requires Permission of Department		
07 9271	This class will meet in Upson II 366 TBA	D Liu	CP: 10 EN: 0 WT: 5
07 9271	IDA	P-Liu, J	On Campus Face to Fa GRANDFORKS
	Prerequisite: Consent of instructor. Requires Permission of Department		
08 9272	This class will meet in Upson II 366 TBA	P-Stokke, T	CP: 10 EN: 0 WT: 5
33 32.2		. Grama, .	On Campus Face to Fa GRANDFORKS
	Prerequisite: Consent of instructor. Requires Permission of Department This class will meet in Uncon II 266		
09 9283	This class will meet in Upson II 366 TBA	-	CP: 15 EN: 0 WT: 5 On Campus Face to Fa GRANDFORKS
	Prerequisite: Consent of instructor.		GILANDI OTIKO
	Requires Permission of Department This class will meet in Upson II 366		
CSCI 494	Special Projects (1-3cr) Capstone II		
10 9330	ТВА	P-Nordlie, J	CP: 40 EN: 0 WT: 10 On Campus Face to Fa GRANDFORKS
	Prerequisite: Consent of instructor. Requires Permission of Department		
CSCI 515	Data Engineering and Mgmt (3cr)		
01 9328) P-Hu, W	CP: 35 EN: 4 WT: 0 On Campus Face to Fa GRANDFORKS
02 9329	Prerequisite: CSCI 513. TBA UND ONLINE (999)) D H., W	CP:100 EN: 2 WT: 20
02 9329	(9) P-Hu, W	Online Asynchronous ONLINE-GRD
	Prerequisite: CSCI 513.	and Site for course	information
	You are required to go to your UND Blackbo	Dain STIE IOI. COURSE	TIII OI IIIA L TOII

during the 1st week of class. A UND e-mail account is required.
Online courses are conducted fully through Internet instruction. For online courses that have exams, instructors may require them to be supervised by ProctorU. For more information visit

https://und.edu/academics/online/students/semester-based-exams.html.

CSCI 522 Theoretical Foundation of CSCI (3cr)

01

9335 10:10a-11:00a MWF CECOMP 209 (36) P-Kim, M CP: 35 EN: 0 WT: 0

On Campus Face to Fa

GRANDFORKS

Prerequisite: CSCI 435.

02 9336 TBA UND ONLINE (999) P-Kim, M CP:100 EN: 0 WT: 20

Online Asynchronous ONLINE-GRD

Prerequisite: CSCI 435.

You are required to go to your UND Blackboard Site for course information during the 1st week of class. A UND e-mail account is required.

Online courses are conducted fully through Internet instruction. For online

courses that have exams, instructors may require them to be supervised by ProctorU. For more information visit

https://und.edu/academics/online/students/semester-based-exams.html.

CSCI 537 Graduate Cooperative Education (1cr)

01 9306 TBA P-Reza, H CP: 10 EN: 0 WT: 0 On Campus Face to Fa

On Campus Face to Fa GRADCOOPHT

Prerequisites: A minimum of 9 graduate credits in computer science and consent of the Department.

Requires Permission of Department

CSCI 543 Machine Learning (3cr)

01 10360 5:30p-8:00p T LENRD 211 (24) P-Delhommelle, J CP: 20 EN: 18 WT: 0

On Campus Face to Fa

GRANDFORKS

Prerequisite: CSCI 365 or CSCI 384.

02 10361 TBA UND ONLINE (999) P-Delhommelle, J CP: 35 EN: 12 WT: 0

Online Asynchronous

ONLINE-GRD

Prerequisite: CSCI 365 or CSCI 384.

You are required to go to your UND Blackboard Site for course information

during the 1st week of class. A UND e-mail account is required.

Online courses are conducted fully through Internet instruction. For online courses that have exams, instructors may require them to be supervised by

ProctorU. For more information visit

 $\verb|https://und.edu/academics/online/students/semester-based-exams.html.|$

CSCI 554 Computational Intelligence (3cr)

01 17245 5:30p-8:00p M HARRI 217 (48) P-Kim, M CP: 32 EN: 4 WT: 10

On Campus Face to Fa

GRANDFORKS

Prerequisite: CSCI 544.

02 17246 TBA UND ONLINE (999) P-Kim, M CP:100 EN: 2 WT: 20

Online Asynchronous

ONLINE-GRD

Prerequisite: CSCI 544.

You are required to go to your UND Blackboard Site for course information during the 1st week of class. A UND e-mail account is required. Online courses are conducted fully through Internet instruction. For online courses that have exams, instructors may require them to be supervised by

ProctorU. For more information visit

https://und.edu/academics/online/students/semester-based-exams.html.

CSCI 562 Formal Specification Methods (3cr) 01 17239 3:35p-4:25p MWF HARRI 108 (31) P-Grant, E CP: 29 EN: 0 WT: 0 On Campus Face to Fa GRANDFORKS Prerequisites: CSCI 435 and CSCI 463. 02 17240 UND ONLINE (999) P-Grant, E CP:100 EN: 3 WT: 20 Online Asynchronous ONLINE-GRD

Prerequisites: CSCI 435 and CSCI 463.

You are required to go to your UND Blackboard Site for course information during the 1st week of class. A UND e-mail account is required. Online courses are conducted fully through Internet instruction. For online courses that have exams, instructors may require them to be supervised by ProctorU. For more information visit

https://und.edu/academics/online/students/semester-based-exams.html.

CSCI	599	Research	(1-6cr)		
01	9275	TBA		P-Marsh, R	CP: 5 EN: 0 WT: 0 On Campus Face to Fa GRANDFORKS
02	9276	Requires Permission of TBA	· Instructor	P-Grant, E	CP: 5 EN: 0 WT: 0 On Campus Face to Fa GRANDFORKS
03	9277	Requires Permission of TBA	· Instructor	P-Hu, W	CP: 5 EN: 0 WT: 0 On Campus Face to Fa GRANDFORKS
04	9278	Requires Permission of TBA	· Instructor	P-Kim, M	CP: 5 EN: 1 WT: 0 On Campus Face to Fa GRANDFORKS
05	9279	Requires Permission of TBA	· Instructor	P-Liu, J	CP: 5 EN: 0 WT: 0 On Campus Face to Fa GRANDFORKS
06	9280	Requires Permission of TBA	· Instructor	-	CP: 5 EN: 0 WT: 0 On Campus Face to Fa GRANDFORKS
07	9281	Requires Permission of TBA	· Instructor	P-Reza, H	CP: 5 EN: 1 WT: 0 On Campus Face to Fa GRANDFORKS
08	9282	Requires Permission of TBA	Instructor	-	CP: 5 EN: 0 WT: 0

Requires Permission of Instructor

CSC 01	I 998 9287	Thesis (1-9cr) TBA	P-Grant, E	CP: 5 EN: 0 WT: 0 On Campus Face to Fa GRANDFORKS
02	9288	Requires Permission of Department This class will meet in Upson II 366 TBA	P-Hu, W	CP: 5 EN: 0 WT: 0 On Campus Face to Fa GRANDFORKS
03	9289	Requires Permission of Department This class will meet in Upson II 366 TBA	P-Marsh, R	CP: 5 EN: 0 WT: 0 On Campus Face to Fa GRANDFORKS
04	9290	Requires Permission of Department This class will meet in Upson II 366 TBA	-	CP: 5 EN: 0 WT: 0 On Campus Face to Fa GRANDFORKS
05	9291	Requires Permission of Department This class will meet in Upson II 366 TBA	P-Kim, M	CP: 5 EN: 0 WT: 0 On Campus Face to Fa
06	9292	Requires Permission of Department This class will meet in Upson II 366 TBA	P-Liu, J	CP: 5 EN: 0 WT: 0 On Campus Face to Fa
07	9293	Requires Permission of Department This class will meet in Upson II 366 TBA	P-Reza, H	CP: 5 EN: 2 WT: 0 On Campus Face to Fa
08	9294	Requires Permission of Department This class will meet in Upson II 366 TBA	P-Ranganathan, P	CP: 5 EN: 2 WT: 0 On Campus Face to Fa
09	9299	Requires Permission of Department This class will meet in Upson II 366 TBA	P-Stokke, T	CP: 5 EN: 0 WT: 0 On Campus Face to Fa
10	21244	Requires Permission of Department This class will meet in Upson II 366 TBA	P-Kaabouch, N	CP: 5 EN: 1 WT: 0 On Campus Face to Fa
		Requires Permission of Instructor		GRANDFORKS

CSCI 999	Dissertation Research (1-12c	er)	
01 21054	TBA	P-Ranganathan, P	CP: 5 EN: 1 WT: 0
			On Campus Face to Fa GRANDFORKS
02 21130	TBA	P-Grant, E	CP: 5 EN: 0 WT: 0
			On Campus Face to Fa GRANDFORKS
	Requires Permission of Instructor		
03 21196	TBA	P-Kaabouch, N	CP: 5 EN: 1 WT: 0
			On Campus Face to Fa
			GRANDFORKS
04 21241	TBA	P-Marsh, R	CP: 5 EN: 1 WT: 0
			On Campus Face to Fa
			GRANDFORKS
	Requires Permission of Instructor		
05 21261	TBA	P-Reza, H	CP: 7 EN: 2 WT: 0
			On Campus Face to Fa
			GRANDFORKS