NOVA Northern Virginia Community College
Loudoun Campus

ITD 132-80YL | Structured Query Language

Syllabus & class calendar | Spring 2022

This syllabus outlines our course of study for the coming semester, including material to be covered, grading criteria, and classroom policies. Please refer to "NOVA Policies" in Canvas and the college Student Handbook for college-wide policies which apply to this course. If you have any issues with this syllabus, please contact me and we can discuss.

Instructor

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When contacting me via email, please use your college email account.

Course objectives

This course will give you hands-on experience in database programming. Upon successful completion of the course, you will be able to create, update, and query relational databases using Structured Query Language. (See the college-wide course content summary at `www.nvcc.edu/depts/academic/coursecont/summaries/ITD132.pdf`.)

Prerequisites

Introductory knowledge of database application software.
Familiarity with using a windowed workstation environment, including the ability to use a Web browser

Class time and location

12:45–2:05 PM Tuesdays and Thursdays. For this semester, the class will be virtual, with class sessions conducted synchronously via Zoom. As this is a hybrid course, you can expect to do more than the typical amount of asynchronous (i.e., on your own time) activity.

Office hours

Tuesdays and Thursdays 2:10–2:40 PM; appointments are not required but receive priority. We can also meet, by appointment, at other times via phone or video conference. Emails are always welcome. If you are having problems with the class material, I encourage you to contact me right away.

Required text

Oracle 12c: SQL `[3rd edition], by Joan Casteel, 2016, ISBN 978-1-305-25103-8`

Grading

20% quizzes
20% homework
10% class participation — both synchronous and asynchronous activities
25% mid-term exam
25% final exam
Grading scale: A=90–100%, B=80–89%, C=70–79%, D=60–69%, F=0–59%
All grades will be posted in Canvas as soon as they're available. For assignments and quizzes, I will drop the one lowest score in each category when calculating your final grade.

Class web site

Available through your college Canvas account.
I will post relevant materials there, including updated versions of this syllabus and class schedule, full details of all class assignments, the PowerPoint slides used in class, additional reference materials, etc.

Assignments

Expect reading and coding assignments just about every week. Details of the assignments will be discussed in class and posted in Canvas.

All coding assignments are due at 12:45 PM on the due date (unless otherwise noted); if you will be absent, electronic submission of assignments is still required by the deadline. Late submissions will be penalized 10% per day late. Assignments will not be accepted more than seven days past the due date.
Given that we're cramming a three-credit class into seven weeks, this will be an extremely fast-paced class, so be sure to allow sufficient time for completing all assignments — this is critical for success in the class.

Hybrid class considerations

As a hybrid course, this class includes both in-class and on-line activities. Your full participation in both areas is expected and required for successful completion of the course. On-line activities will include assigned reading and videos, coding assignments, and participation in discussion groups. As with in-class assignments, all on-line assignments will be graded, with the grades posted in Canvas, within a week after the due date. If you have any questions about these assignments, you should contact me immediately.

Attendance & help

Your presence, regular and thorough preparation, and participation in class are expected. If you are unable to attend a class, please contact me in advance. Class sessions will often cover material beyond what is covered in the textbook, and class discussions will help you increase your understanding. If you fail to attend regularly and to do all the assignments, you are not likely to complete the course successfully.

If you find that you are floundering, please don't just stop coming to class. Talk to me and, together, we can try to get you through the semester successfully. On the other hand, if you decide to drop the class, it is your responsibility to do so on a timely basis.

Need more help? Tutoring is available at no charge — click on *Tutor.com: 24/7 Online Tutoring* in Canvas. Other tutoring may be available through the college tutoring center.
I
f you wish to avail yourself of a disability accommodation as spelled out in the College Policies, you must provide me with the Memorandum of Accommodation at least one week before needed. See the Counseling Office for assistance.

Classroom decorum

Civility is expected at all times. Civility includes leaving class only at scheduled break times, silencing all electronic devices during class, and being awake and attentive. Use of electronic devices, including classroom computers, should be limited to class-related activities only. Any student behaving inappropriately will be removed from the classroom. If in doubt about what is appropriate by college standards, consult the college Student Handbook.

Academic integrity

As stated in the College policy on Academic Integrity, it is expected that your submitted assignments and tests be your own work. Cheating and plagiarism are not acceptable. When

appropriate, use footnotes or coding comments; code snippets, icons, images, and graphics created by somebody else and used in your web pages should be credited. Violations will be handled in accordance with the college policy, and may result in a failing grade for the assignment or the course.

"Incomplete" grades

A grade of "I" (Incomplete) is given only when a student has completed 60% or more of the course and becomes unable to attend class or to complete course requirements near the end of the semester due to verifiable mitigating circumstances. An "I" grade is given at the discretion of the instructor.

Emergency closings

In the event of an unscheduled closing of the college, I will update the class Canvas site as soon as possible with information regarding assignments and class activities, and it is your responsibility to view and act on this information on a timely basis. Since the class meets virtually, instruction is most likely to continue even in the event of a campus closing.

Computer lab

The open computer lab is located in room LW 230. The computers are loaded with the same software as in our classroom. The lab phone number is 703.450.2521. Printing in the lab is available, using your student ID card for payment. Hours are:

Monday–Thursday, 9 AM–7 PM
Friday, 9 AM–3 PM
Saturday–Sunday, closed

Wi-Fi network access is available at all times in designated campus parking lots. On the Loudoun campus, expect the best coverage in the parking lot behind the LC building

Additional computers and Wi-Fi access are available for student use in the library in the LC building.

Class schedule

(See also the college Academic Calendar.) This schedule is tentative and subject to change. The latest version will always be posted in Canvas.

Be sure to check Canvas every week for full details on assigned reading and coding. The chapters shown here should be studied prior to the class sessions.

Class session	Date	Topics/notes
1	3/22	Course introduction Software setup
2	3/24	1. DB overview
	3/29	*Last day to drop with tuition refund or to change to audit*
3	3/29	2. Basic select
4	3/31	3. Table creation & management
5	4/5	4. Constraints 5. Data manipulation, transaction control
6	4/7	6. Additional DB objects 7. User management
7	4/12	*Mid-term exam*
8	4/14	*No class today*
9	4/19	8. Restricting rows and sorting
10	4/21	9. Joins
	4/20	*Last day to withdraw without grade penalty*
11	4/26	10. Single-row functions
12	4/28	11. Group functions 12. Subqueries & merges
13	5/3	13. Views
14	5/5	*Final exam. Note the earlier time: 12:00-1:40 PM*

Last modified: 20 March 2022