Course Syllabus

CSCE 4355: Database Administration

Instructor: Marty O'Neill, Ph.D.

Pronouns: he, him, his

Communication Expectations: Please communicate with the instructor and Teaching Assistant exclusively through Canvas and Zoom.

You may download a complete version of this syllabus here. [docx] ↓
(https://unt.instructure.com/courses/70351/files/17022297/download?download_frd=1)

Course Description

Database administration skills covering installation, configuration and tuning a database; administering servers and server groups; managing and optimizing schemas, tables, indexes, and views; creating logins; configuring permissions; assigning roles, and performing other essential security tasks, backup and recovery strategies, automation and maintenance.

Course Objectives

By the end of this course, students will be able to:

1. Install, configure and tune a database.
2. Maintain and administer servers and server groups.
3. Manage and optimize schemas, tables, indexes and views.
4. Create logins, configure permissions, assign roles and perform essential security tasks.
5. Provide adequate backup and recovery strategies and maintenance.
6. Develop scripts to automate much of the data administration necessary.

These course objectives have been specified by the Department of Computer Science and Engineering in order to facilitate the department's continued accreditation by the Accreditation Board for Engineering and Technology, Inc. (ABET).

Course Summary:

Date	Details	Due
Mon Jun 6, 2022	💬 **Introduce Yourself** **(https://unt.instructure.com/courses/70351/assignments/1427589)**	due by 11:59pm

Date	Details	Due
Tue Jun 7, 2022	📅 **Dr. O'Neill's Office Hours** (https://unt.instructure.com/calendar?event_id=559451&include_contexts=course_70351)	3:15pm to 4:15pm
	📝 **Homework 1** (https://unt.instructure.com/courses/70351/assignments/1427596)	due by 11:59pm
Wed Jun 8, 2022	📅 **Yen Pham's Office Hours** (https://unt.instructure.com/calendar?event_id=559467&include_contexts=course_70351)	10am to 12pm
Thu Jun 9, 2022	📅 **Dr. O'Neill's Office Hours** (https://unt.instructure.com/calendar?event_id=559452&include_contexts=course_70351)	3:15pm to 4:15pm
	📝 **Homework 2** (https://unt.instructure.com/courses/70351/assignments/1427597)	due by 11:59pm
Fri Jun 10, 2022	📅 **Yen Pham's Office Hours** (https://unt.instructure.com/calendar?event_id=559482&include_contexts=course_70351)	12pm to 1pm
Mon Jun 13, 2022	📅 **Yen Pham's Office Hours** (https://unt.instructure.com/calendar?event_id=559468&include_contexts=course_70351)	10am to 12pm
Tue Jun 14, 2022	📅 **Dr. O'Neill's Office Hours** (https://unt.instructure.com/calendar?event_id=559453&include_contexts=course_70351)	3:15pm to 4:15pm
Wed Jun 15, 2022	📅 **Yen Pham's Office Hours** (https://unt.instructure.com/calendar?event_id=559469&include_contexts=course_70351)	10am to 12pm
	📝 **Exam 1** (https://unt.instructure.com/courses/70351/assignments/1427591)	due by 11:59pm
Thu Jun 16, 2022	📅 **Dr. O'Neill's Office Hours** (https://unt.instructure.com/calendar?event_id=559454&include_contexts=course_70351)	3:15pm to 4:15pm
Fri Jun 17, 2022	📅 **Yen Pham's Office Hours** (https://unt.instructure.com/calendar?event_id=559483&include_contexts=course_70351)	12pm to 1pm

Date	Details	Due
Mon Jun 20, 2022	📅 **Yen Pham's Office Hours (https://unt.instructure.com/calendar?event_id=559470&include_contexts=course_70351)**	10am to 12pm
Tue Jun 21, 2022	📅 **Dr. O'Neill's Office Hours (https://unt.instructure.com/calendar?event_id=559455&include_contexts=course_70351)**	3:15pm to 4:15pm
Wed Jun 22, 2022	📅 **Yen Pham's Office Hours (https://unt.instructure.com/calendar?event_id=559471&include_contexts=course_70351)**	10am to 12pm
Thu Jun 23, 2022	📅 **Dr. O'Neill's Office Hours (https://unt.instructure.com/calendar?event_id=559456&include_contexts=course_70351)**	3:15pm to 4:15pm
Fri Jun 24, 2022	📅 **Yen Pham's Office Hours (https://unt.instructure.com/calendar?event_id=559484&include_contexts=course_70351)**	12pm to 1pm
	📝 **Homework 3 (https://unt.instructure.com/courses/70351/assignments/1427598)**	due by 11:59pm
Mon Jun 27, 2022	📅 **Yen Pham's Office Hours (https://unt.instructure.com/calendar?event_id=559472&include_contexts=course_70351)**	10am to 12pm
Tue Jun 28, 2022	📅 **Dr. O'Neill's Office Hours (https://unt.instructure.com/calendar?event_id=559457&include_contexts=course_70351)**	3:15pm to 4:15pm
Wed Jun 29, 2022	📅 **Yen Pham's Office Hours (https://unt.instructure.com/calendar?event_id=559473&include_contexts=course_70351)**	10am to 12pm
	📝 **Exam 2 (https://unt.instructure.com/courses/70351/assignments/1427592)**	due by 11:59pm
Thu Jun 30, 2022	📅 **Dr. O'Neill's Office Hours (https://unt.instructure.com/calendar?event_id=559458&include_contexts=course_70351)**	3:15pm to 4:15pm
Fri Jul 1, 2022	📅 **Yen Pham's Office Hours (https://unt.instructure.com/calendar?event_id=559485&include_contexts=course_70351)**	12pm to 1pm

Date	Details	Due
	📝 **Homework 4** **(https://unt.instructure.com/courses/70351/assignments/1427599)**	due by 11:59pm
Mon Jul 4, 2022	🗓 **Yen Pham's Office Hours** **(https://unt.instructure.com/calendar?** **event_id=559474&include_contexts=course_70351)**	10am to 12pm
Tue Jul 5, 2022	🗓 **Dr. O'Neill's Office Hours** **(https://unt.instructure.com/calendar?** **event_id=559459&include_contexts=course_70351)**	3:15pm to 4:15pm
Wed Jul 6, 2022	🗓 **Yen Pham's Office Hours** **(https://unt.instructure.com/calendar?** **event_id=559475&include_contexts=course_70351)**	10am to 12pm
Thu Jul 7, 2022	📝 **Exam 3** **(https://unt.instructure.com/courses/70351/assignments/1427593)**	due by 11:59am
	🗓 **Dr. O'Neill's Office Hours** **(https://unt.instructure.com/calendar?** **event_id=559460&include_contexts=course_70351)**	3:15pm to 4:15pm
Fri Jul 8, 2022	🗓 **Yen Pham's Office Hours** **(https://unt.instructure.com/calendar?** **event_id=559486&include_contexts=course_70351)**	12pm to 1pm
Mon Jul 11, 2022	🗓 **Yen Pham's Office Hours** **(https://unt.instructure.com/calendar?** **event_id=559476&include_contexts=course_70351)**	10am to 12pm
Tue Jul 12, 2022	🗓 **Dr. O'Neill's Office Hours** **(https://unt.instructure.com/calendar?** **event_id=559461&include_contexts=course_70351)**	3:15pm to 4:15pm
Wed Jul 13, 2022	🗓 **Yen Pham's Office Hours** **(https://unt.instructure.com/calendar?** **event_id=559477&include_contexts=course_70351)**	10am to 12pm
Thu Jul 14, 2022	🗓 **Dr. O'Neill's Office Hours** **(https://unt.instructure.com/calendar?** **event_id=559462&include_contexts=course_70351)**	3:15pm to 4:15pm
	📝 **Homework 5** **(https://unt.instructure.com/courses/70351/assignments/1427600)**	due by 11:59pm

Date	Details	Due
Fri Jul 15, 2022	📅 **Yen Pham's Office Hours (https://unt.instructure.com/calendar? event_id=559487&include_contexts=course_70351)**	12pm to 1pm
Mon Jul 18, 2022	📅 **Yen Pham's Office Hours (https://unt.instructure.com/calendar? event_id=559478&include_contexts=course_70351)**	10am to 12pm
Tue Jul 19, 2022	📅 **Dr. O'Neill's Office Hours (https://unt.instructure.com/calendar? event_id=559463&include_contexts=course_70351)**	3:15pm to 4:15pm
Wed Jul 20, 2022	📅 **Yen Pham's Office Hours (https://unt.instructure.com/calendar? event_id=559479&include_contexts=course_70351)**	10am to 12pm
Thu Jul 21, 2022	📝 **Exam 4 (https://unt.instructure.com/courses/70351/assignments/1427594)**	due by 11:59am
	📅 **Dr. O'Neill's Office Hours (https://unt.instructure.com/calendar? event_id=559464&include_contexts=course_70351)**	3:15pm to 4:15pm
Fri Jul 22, 2022	📅 **Yen Pham's Office Hours (https://unt.instructure.com/calendar? event_id=559488&include_contexts=course_70351)**	12pm to 1pm
Mon Jul 25, 2022	📅 **Yen Pham's Office Hours (https://unt.instructure.com/calendar? event_id=559480&include_contexts=course_70351)**	10am to 12pm
Tue Jul 26, 2022	📅 **Dr. O'Neill's Office Hours (https://unt.instructure.com/calendar? event_id=559465&include_contexts=course_70351)**	3:15pm to 4:15pm
Wed Jul 27, 2022	📅 **Yen Pham's Office Hours (https://unt.instructure.com/calendar? event_id=559481&include_contexts=course_70351)**	10am to 12pm
Thu Jul 28, 2022	📝 **Exam 5 (https://unt.instructure.com/courses/70351/assignments/1427595)**	due by 11:59am
	📅 **Dr. O'Neill's Office Hours (https://unt.instructure.com/calendar? event_id=559466&include_contexts=course_70351)**	3:15pm to 4:15pm

Date	Details	Due
Fri Jul 29, 2022	📅 **Yen Pham's Office Hours** **(https://unt.instructure.com/calendar? event_id=559489&include_contexts=course_70351)**	12pm to 1pm

📅 **Yen Pham's Office Hours** **(https://unt.instructure.com/calendar? event_id=559489&include_contexts=course_70351)** 12pm to 1pm