Undergraduate Course Syllabus

DAD 405: Oracle Database Administration II
Center: Online

Course Prerequisites
DAD 350

Course Description
This is the second of a two-part series. This course covers Oracle Database Administration Part II. Students will use Oracle to design database architectures and automatic storage management solutions. Students will learn how to configure a database for recoverability, to meet backup specifications, and to perform user-managed backup and recovery. Additionally, students will use Oracle's recovery manager (RMAN) for performing for multiple database administration tasks.

Course Outcomes
- Configure database backup and recovery plans using Oracle's recovery tools
- Diagnose database performance issues for optimal performance using Oracle tools
- Create database schedulers that successfully manage database resources and prioritize different jobs
- Administer database instances through integration of automatic storage management techniques

Required Materials
Using your learning resources is critical to your success in this course. Please purchase directly through SNHU's online bookstore, MBS Direct, rather than any other vendor. Purchasing directly from the bookstore ensures that you will obtain the correct materials and that the Help Desk, your advisor, and the instructor can provide you with support if you have problems.

Oracle Database 12c Installation and Administration Guide
Publisher: McGraw-Hill Osborne Media (May 22, 2014)

Software Requirements
This course requires the use of a working Oracle 12c Instance. Directions are available at the DAD 350 and DAD 405 Installation page.

This course requires use of SNHU's virtual desktop (VDI) environment. Directions to access the VDI are available here: VDI Instructions.

Instructor Availability and Response Time

Your class interaction with the instructor and your classmates will take place on a regular, ongoing basis. Your instructor will be actively engaged within the course throughout the week. You will normally communicate with your instructor in the weekly discussions or the General Questions discussion topic so that your questions and the instructor's answers benefit the entire class. You should feel free, however, to communicate with your instructor via SNHU email at any time, particularly when you want to discuss something of a personal or sensitive nature. Your instructor will generally provide a response within 24 hours.

Grade Distribution

Assignment Category	Number of Graded Items	Point Value per Item	Total Points
Discussion	8	40	320
Reflection Journal	8	60	480
Timesheet Activity	8	25	200
			Total Course Points: 1,000

This course may also contain practice activities. The purpose of these non-graded activities is to assist you in mastering the learning outcomes in the graded activity items listed above.

University Grading System: Undergraduate

Grade	Numerical Equivalent	Points
A	93–100	4
A-	90–92	3.67
B+	87–89	3.33
B	83–86	3
B-	80–82	2.67
C+	77–79	2.33
C	73–76	2
C-	70–72	1.67
D+	67–69	1.33
D	60–66	1
F	0–59	0
I	Incomplete	
IF	Incomplete/Failure *	
IP	In Progress (past end of term)	
W	Withdrawn	

* Please refer to the policy page for information on the incomplete grade process.

Grading Guides

Specific activity directions, grading guides, posting requirements, and additional deadlines can be found in the

Assignment Guidelines and Rubrics section of the course.

Weekly Assignment Schedule

All reading and assignment information can be found within each module of the course. Assignments and discussion posts during the first week of each term are due by 11:59 p.m. Eastern Time. Assignments and discussion posts for the remainder of the term are due by 11:59 p.m. of the student's local time zone.

In addition to the textbook readings that are listed, there may be additional required resources within each module.

Module	Topics and Assignments
1	Oracle Tuning
	Oracle Database 12c Installation and Administration Guide, Chapter 13
	1-1 Discussion: Performance Management
	1-2 Reflection Journal
	1-3 Timesheet Activity
2	SQL Tuning and the Resource Manager
	Oracle Database 12c Installation and Administration Guide, Chapter 14 and 15
	2-1 Discussion: Database Resource Manager
	2-2 Reflection Journal
	2-3 Timesheet Activity
3	The Oracle Scheduler
	Oracle Database 12c Installation and Administration Guide, Chapter 16
	3-1 Discussion: Oracle Scheduler
	3-2 Reflection Journal
	3-3 Timesheet Activity
4	SQL Loader
	Oracle Database 12c Installation and Administration Guide, Chapter 17
	4-1 Discussion: Moving Data
	4-2 Reflection Journal
	4-3 Timesheet Activity
5	Backup and Recovery
	Oracle Database 12c Installation and Administration Guide, Chapter 18
	5-1 Discussion: Backup and Recovery
	5-2 Reflection Journal
	5-3 Timesheet Activity
6	Backup and Recovery Operations
	Oracle Database 12c Installation and Administration Guide, Chapter 19
	6-1 Discussion: Business Continuity
	6-2 Reflection Journal
	6-3 Timesheet Activity

Module	Topics and Assignments
7	High Availability
	Oracle Database 12c Installation and Administration Guide, Chapter 20, and 21
	7-1 Discussion: High Availability
	7-2 Reflection Journal
	7-3 Timesheet Activity
8	Database Upgrades
	Oracle Database 12c Installation and Administration Guide, Chapter 22, and 23
	8-1 Discussion: Oracle 12c New Features
	8-2 Reflection Journal
	8-3 Timesheet Assignment

Attendance Policy

Online students are required to submit a graded assignment/discussion during the first week of class. If a student does not submit a posting to the graded assignment/discussion during the first week of class, the student is automatically withdrawn from the course for non-participation. Review the full attendance policy.

Late Assignments Policy

Meeting assigned due dates is critical for demonstrating progress and ensuring appropriate time for instructor feedback on assignments. Students are expected to submit their assignments on or before the due date. Review the full late assignment policy.

SNHU Student Handbook

Review the student handbook.

ADA/504 Compliance Statement

In accordance with Section 504 of the Rehabilitation Act of 1973, Title III of the Americans with Disabilities Act (ADA) of 1990, and the Americans with Disabilities Act Amendments Act (ADAAA) of 2008, Southern New Hampshire University does not discriminate on the basis of disability, including intellectual disability, in admission, treatment, or access to its programs or activities, nor does it discriminate in employment in its programs or activities.

The university prohibits unlawful discrimination on the basis of disability and takes action to prevent such discrimination by providing reasonable accommodations to eligible individuals with disabilities. A disability is a condition or impairment that impacts a "major life activity" or "major bodily function."

- **Major life activities** include, but are not limited to, caring for oneself, performing manual tasks, seeing, hearing, eating, sleeping, walking, standing, lifting, bending, speaking, breathing, learning, reading, concentrating, thinking, communicating, and working.

- **Major bodily functions** include, but are not limited to, functions of the immune system, normal cell growth, and digestive, bowel, bladder, neurological, brain, respiratory, circulatory, endocrine, and reproductive functions. Disabilities include physical, medical (including pregnancy), mental health, and learning needs.

At the beginning of each term, or as soon as you become aware of a disability or accessibility concern, we encourage you to contact the Online Accessibility Center (OAC) to discuss accommodations for which you may be qualified. Reasonable accommodations are established through an interactive process between the student and the OAC.

Note that accommodations are not retroactive and that disability accommodations are not provided until acceptable documentation of a disability and its impact is received and an accommodation letter has been processed. If you are unsure whether your condition qualifies as a disability or accessibility concern, please contact the OAC for determination.

Contact Information:
Online Accessibility Center
Phone: 866-305-9430
Email: oac@snhu.edu

For questions concerning support services, documentation guidelines, or general disability issues, please visit the Online Accessibility Center website.

If you feel you have been denied appropriate disability-related accommodations, including appropriate auxiliary aids and services, you may file a grievance as described in the ADA/504 Grievance Policy found on the Disability and Accessibility Services website.

Academic Honesty Policy
Southern New Hampshire University requires all students to adhere to high standards of integrity in their academic work. Activities such as plagiarism and cheating are not condoned by the university. Review the full academic honesty policy.

Copyright Policy
Southern New Hampshire University abides by the provisions of United States Copyright Act (Title 17 of the United States Code). Any person who infringes the copyright law is liable. Review the full copyright policy.

SNHU Withdrawal Policy
Review the full withdrawal policy.

Southern New Hampshire University Policies
More information about SNHU policies can be found on the policy page.

Student Work Samples
For the purpose of continuous improvement of our educational training, Southern New Hampshire University may, on occasion, utilize anonymous student work samples for internal professional development and staff training. If you would like to withdraw permission for use of your work, please complete the Student Work Sample Survey.