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UW Extension Certificate Program

Oracle Applications Development

About the Program

The newly revised Oracle program will provide students with a foundation in two primary areas: Database administration and development. While vendor certification tends to focus on one path or the other, this program emphasizes the necessity of understanding both areas as a means to communicate effectively cross-functionally as well as to have an understanding of the broader scope of relational database management systems. The program provides both breadth and depth, is project-focused, and allows students to learn from experts in the field as well as through practical application.

Students will learn about core RDBMS concepts and how these are applied in Oracle. SQL, normalization, data integrity, architecture, and administrative essentials are part of the first course. The subsequent course focuses on development with PL/SQL, but also continues with operational administration issues such as security, back and recovery and system management. The final course emphasizes performance tuning, troubleshooting, and several utilities.

The Oracle Certificate Program is intended for

This curriculum is intended for information professionals who are familiar with general principles of database design, development and administration who seek an introduction to Oracle applications development concepts and skills.

ONLINE & CLASSROOM

We're pleased to offer this program in a new hybrid format that combines classroom and online sessions, giving you the benefits of in-person meetings along with the convenience of classes anywhere you wish. You'll spend less time commuting, have more flexibility and can even participate in your pajamas – but only during online sessions, please.

TESTIMONIAL

"The online set up of the class today was great. After I got accustomed to not being able to see [the instructor], I felt like I was as involved as I would be sitting in the classroom. ... I am excited about this course! For now I don't anticipate any problems with interaction. I am impressed with the ease of the technology...The online portion of [the program] is well organized, attentive to the details of student needs, and seamless in its execution..."

- Trisha

PROFESSIONAL CERTIFICATE PROGRAM

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Courses

Concepts, Architecture and Administrative Essentials

Students will learn basic RDBMS and SQL concepts and how they relate to Oracle's database product. Students should be able to identify major database components and explain their function. Additionally, students will create a database and perform basic management functions. They should be able to quickly find and understand the content of major database logs and should be able to monitor the database for failure conditions.

Application Development and Administration

Students should understand the basics of Oracle user, system, and object security and will be exposed to some additional available security features. Students will also be introduced to PL/SQL programming and related concepts; they should be able to write a basic program unit capable of performing simple functions. Students will also be exposed to backup and recovery concepts. Finally, students will learn additional system management techniques for managing Oracle software within the context of the UNIX or Linux operating system.

Troubleshooting and Performance Tuning

This class will be beneficial to both developers and DBAs. Students should be able to include common Oracle utilities in their scripts and PL/SQL. Key to any successful implementation is the need to be able to troubleshoot common Oracle problems and quickly determine the potential root cause. Additionally, students will be exposed to Oracle internals, tracing utilities, and performance tuning basics. Developers and DBAs will be able to use these tools to identify and fix many common performance issues and will gain an understanding of performance tuning methodology.

About UW Extension Certificate Programs

This nine-month program gives you a diverse set of skills to take you to the next stage in your career.

Build Your Network! You'll connect with other designers & developers enhancing their own careers, allowing you to learn from their experiences and expand your professional network.

Study with the Pros! Learn from seasoned instructors who derive their expertise from many years of teaching & professional experience.

Earn a valuable Credential! The University of Washington is the leading research and graduate studies university in the Northwest.

Learn around Your Schedule! The certificate program courses are scheduled at a convenient time to work with your busy schedule.

Make the decision today to achieve your career goals—and let the Managing for High Performance certificate give you the knowledge you need to get there.

About UW Extension

Learning through UW Extension gives working professionals the quality education that will take your career to the next level, whether you long for a promotion or a shift to a completely new field. All UW Extension programs are designed by UW faculty, industry experts and community leaders. To ensure you receive first-rate instruction, every UW Extension program must be approved by the corresponding University of Washington academic department. UW advisory boards are continually reviewing programs and

Learn more about the program

For complete details, visit the Web site:

➔ WWW.EXTENSION.WASHINGTON.EDU

Attend an information meeting.

Interested in a certificate? You can ask questions and meet instructors and former students at these free meetings. For meeting dates, times and locations, please go to our Web site.

Questions? Ask away

Give us a call:

📞 206.685.8936 OR 1.800.506.1325

Send us an email:

➔ EXTNADVISING@EXTN.WASHINGTON.EDU

Apply or register today

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This program is brought to you by UW Extension, a community gateway to the University of Washington.