This course supports the assessments for Configuring Applications Infrastructure. The course covers 6 competencies and represents 6 competency units.

**Introduction**

**Overview**
Welcome to Configuring Applications Infrastructure. This exam has been developed by Western Governors University to assess your competency in Windows Server 2008 Applications Infrastructure. The material provided will give you the knowledge you need to deploy and configure appropriate network application servers. The concepts are not difficult, but the sheer volume of information can be daunting, and you are asked to know things that normally you would look up. Experience may or may not help you pass this assessment.

One risky predisposition, for both beginners and experienced test takers, is to rely solely on practice exams as the method of study. Practice exams may help build your confidence, but the actual exam will phrase questions differently than you are used to, offer dissimilar choices, and may also use foreign terminology. Unfortunately, most students who use only practice exams to study do not internalize this caution until their first exam failure.

Also, view the exam comments of other students cautiously. Each version of this exam is different. If others advise you to skip studying a piece of technology because it was not on the exam, what they mean is that it was not on their exam—it might be on yours.

Watch the following video for an introduction to this course:

*Note: To download this video, right-click the following link and choose "Save as...": [download video]*

**Competencies**
This course provides guidance to help you demonstrate the following 6 competencies:

- **Competency 444.1.1: Deploying Network Servers**
  The graduate plans for and deploys network servers including deploying servers and server images.

- **Competency 444.1.2: Configuring Network Servers**
  The graduate plans for and configures network servers including activating Key Management Server (KMS) and Domain Name Server (DNS) Services (SRV) records, and configuring virtual networking.

- **Competency 444.1.3: Terminal Services Gateway Management and Configuration**
  The graduate plans for, configures, and monitors terminal services gateway, remote, resources, licenses, clients, server options, load balancing, and Web access connectivity.

- **Competency 444.1.4: Website Management Strategy**
  The graduate develops management strategies for Websites including site migration...
EHC1 - Configuring Applications Infrastructure
Course of Study

and Internet Information Services (IIS).

- Competency 444.1.5: Website Configuration
  The graduate plans for and configures Website authentication, permissions, security, File Transfer Protocol (FTP) and Simple Mail Transfer Protocol (SMTP).

- Competency 444.1.6: Network Application Services
  The graduate plans for and configures network application services including on-demand replication and digital rights management.

Course Instructor Assistance
As you prepare to successfully demonstrate competency in this subject, remember that course instructors stand ready to help you reach your educational goals. As subject matter experts, mentors enjoy and take pride in helping students become reflective learners, problem solvers, and critical thinkers. Course instructors are excited to hear from you and eager to work with you.

Successful students report that working with a course instructor is the key to their success. Course instructors are able to share tips on approaches, tools, and skills that can help you apply the content you're studying. They also provide guidance in assessment preparation strategies and troubleshoot areas of deficiency. Even if things don't work out on your first try, course instructors act as a support system to guide you through the revision process. You should expect to work with course instructors for the duration of your coursework, so you are welcome to contact them as soon as you begin. Course instructors are fully committed to your success!

Preparing for Success

The information in this section is provided to detail the resources available for you to use as you complete this course.

Your Learning Resources
The learning resources listed in this section are required to complete the activities in this course. For many resources, WGU has provided automatic access through the course. However, you may need to manually enroll in or independently acquire other resources. Read the full instructions provided to ensure that you have access to all of your resources in a timely manner.

Automatically Enrolled Learning Resources

You will be automatically enrolled at the activity level for the following learning resources. Simply click on the links provided in the activities to access the learning materials.

LabSim
You will access the following resource at the activity level within this course:

- Configuring Windows Server 2008 Applications Infrastructure 70-643

Note: To use LabSim (i.e., the primary learning resource for this course), your computer must

- be running either Microsoft Windows XP, Vista, or 7 and
- meet the minimum hardware and software system requirements provided on the System
Supplemental MCITP Complete Study Guide
The following resource is recommended, but not required. Because it is supplemental, it will not be linked specifically in any of the activities, but you have access to this resource by clicking the linked title provided below.

  ISBN: 9780470948460

The associated chapters of the MCITP Complete Study Guide are matched with the learning modules of LabSim in the "LabSim Configuring Windows Server2008 Applications Infrastructure Courseware Mapping" document.

Pacing Guide
The pacing guide suggests a weekly structure to pace your completion of learning activities. It is provided as a suggestion and does not represent a mandatory schedule. Follow the pacing guide carefully to complete the course in the suggested timeframe.

- Pacing Guide: Configuring Applications Infrastructure

Note: This pacing guide does not replace the course. Please continue to refer to the course for a comprehensive list of the resources and activities.

LabSim
The LabSim learning resource (Windows Server 2008 Applications Infrastructure Exam (70-643)) for this course contains the following items:

- Videos: 44
- Demonstrations: 52
- Simulations: 31
- Fact Sheets: 54
- Exam Questions: 597
- Practice Exams: 37

LabSim
The LabSim modules are constructed in a manner to build off previous lessons, so it is not recommended that you complete the sections out of order. Each module has

- a video,
- lecture/fact sheets, and
- lab simulations.

It is essential to read the materials prior to attempting the simulations to ensure you have a full and applicable understanding of the concepts and competencies required for successful completion of the practice exams.
Note: It is strongly recommended that you continue to attempt lab simulations until you can easily complete the tasks scoring 100% and pass practice exams with no less than 90% to maximize your chances of successfully passing the actual examination associated with this course.

This topic addresses the following competencies:

- **Competency 444.1.1: Deploying Network Servers**
  The graduate plans for and deploys network servers including deploying servers and server images.

- **Competency 444.1.2: Configuring Network Servers**
  The graduate plans for and configures network servers including activating Key Management Server (KMS) and Domain Name Server (DNS) Services (SRV) records, and configuring virtual networking.

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- **Competency 444.1.6: Network Application Services**
  The graduate plans for and configures network application services including on-demand replication and digital rights management.

This topic highlights the following key concepts:

- Windows Deployment Services
- Windows Activation (MAK and KMS)
- Windows Hyper-V and virtualization
- Remote Desktop Services
- Internet Information Systems
- File Transfer Protocol
- Simple Mail Transfer Protocol
- SSL security
- Network Application Services

**LabSim Modules**

Because you are to complete the activities for this course within the LabSim learning resource, the following information has been provided to orient you as you begin the course.

You will complete all of the modules within the following sections:
Please remember to proceed through the activities in the specified order.

Once you have completed the coursework in the LabSim modules, you should finish preparing by taking the Certification Practice Exam; it will provide you with valuable feedback about your readiness to take the Windows Server 2008 Applications Infrastructure Exam (70-643). It reviews the questions you missed and refers you back to the appropriate sections you need to study for competency.

It is recommended that you take and pass the Certification Practice Exam at least twice before considering yourself ready for the Windows exam.

Access the following LabSim resource:

- Configuring Windows Server 2008 Applications Infrastructure (Exam 70-643)

**Final Steps**

Congratulations on completing the activities in this course! This course has prepared you to complete the assessments associated with this course. If you have not already been directed to complete the assessments, schedule and complete your assessments now.

**First Attempt Checklist**

One of the many things that makes WGU unique is its competency-based education model. If you know the material, all you have to do is prove it by passing the exam. If you can do this, you can accelerate the receipt of your degree.

To make sure you have the best possible chance at passing this exam on your first attempt, the following steps should be successfully completed before taking it:

1. Read, review, and utilize all of the learning resources within LabSim. Pay special attention to the Fact Sheets in each of the LabSim modules, as many of the competencies are described in detail there. Do not skip over anything. Many students discover the difference between a passing score and missing the cut score by only a few points, is the lack of attention paid to hands-on practice and the information provided on the Fact Sheets.

2. Take the certification practice exam located at the end of the LabSim materials. Based on the score report of this practice exam revisit the LabSim materials, including the Fact Sheets.
Sheets, for the areas indicated as needing additional study.

3. Use your own hands-on lab, in conjunction with LabSim, to review the objectives indicated by the certification practice exam as needing additional study. This will help you gain additional familiarity with the technologies. Repeat this process until you can score 95% or higher, at least five times on the certification practice exam.

4. Contact a course instructor at cmMicrosoft@wgu.edu for valuable test-taking strategies. This is important, as a course instructor can provide valuable advice that could save you time when focusing on exam preparation.

If you have completed the steps above and feel comfortable with all of the concepts presented, you are most likely ready to attempt the exam.

If you fail your first exam attempt you will be required to contact the course instructor to see what went wrong and how you can prepare for a successful second attempt. After determining you are ready, your course instructor will approve your request for a second exam attempt.