

# Advanced Linux

## ITSC-2325

Fall 2020 Section 370 CRN-13138 3 Credits 08/24/2020 to 12/10/2020 Modified 08/23/2020

### Meeting Times

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#### Lecture/Lab

Tuesday, Thursday, 12:00 PM to 1:50 PM, Student Center 241

### Contact Information

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#### Instructor: Carol Wiggins

Email: [carol.wiggins@blinn.edu](mailto:carol.wiggins@blinn.edu)

Office: F 242

Phone: 979-209-7320

Website: <https://www.blinn.edu/information-technology/index.html> (<https://www.blinn.edu/information-technology/index.html>)

#### Office Hours

Monday, Tuesday, Wednesday, Thursday, 11:00 AM to 12:00 PM, Virtual

Schedule an appointment for best results.

### Description

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Provides instruction in advance open-source Linux operating system. Develops directory services for clients, support users remotely, and install and configure network services.

3 lecture hours and 1 lab hour per week; 64 total contact hours. Credit: 3 semester hours.

#### Requisites

Prerequisites: ITSC 1316 with a grade of "C" or better or approval of the Dean or designee

### Core Curriculum Statement

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This course is not a core curriculum course.

### Outcomes

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Upon successful completion of this course, students will:

1. Install, administer, and manage advanced network environment using a Linux system.
2. Demonstrate advanced skills and proficiency with Linux utilities and configurations.
3. Deploy secure networks.
4. Integrate Linux network with existing networks.

## Materials

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### InfoSec Learning Red Hat System Administration II Labs (RH134)

Publisher: InfoSec Learning

Availability: Campus Bookstore and Online

### Flash Drive

USB Flash thumb drive.

## Course Requirements

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Red Hat Certified System Administrator (RHCSA) Exam - Optional

Transfers to BAAS degree at SHSU.

Transfers to BAS-IT degree at UHCL.

## Evaluation

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### Criteria

Type	Weight	Topic	Notes
Exams	15%		Two major exams
Labs	30%		Daily labs
Quizzes	20%		Quizzes periodically given
DO180	10%		
Class Participation	10%		Daily contributions to discussion and labs
Final Exam	15%		Comprehensive Final

## Blinn College Policies

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All policies, guidelines, and procedures in the [Blinn College Catalog \(http://catalog.blinn.edu/\)](http://catalog.blinn.edu/), [Blinn College Board Policies \(http://pol.tasb.org/Home/Index/1204\)](http://pol.tasb.org/Home/Index/1204), and the [Blinn College Administrative Regulations \(https://www.blinn.edu/administrative-regulations/\)](https://www.blinn.edu/administrative-regulations/) are applicable to this course.

[Specific information on civility, attendance, add/drop, scholastic integrity, students with disabilities, final grade appeal, alternative retailers, campus carry and proctoring arrangements and cost. \(http://www.blinn.edu/syllabus-policies/\)](http://www.blinn.edu/syllabus-policies/)

Notice of any action taken under these protocol and procedures, by Blinn College or its employees, may be delivered by hand, through the U.S. Postal Service, or electronically to the student's Blinn Buc e-mail account. Notice shall be deemed received upon actual receipt, on deposit in the U.S. Mail, or upon entering the information processing system used by Blinn College for Blinn Buc e-mail accounts, whichever first occurs.

Information about the changes Blinn has made to the Fall semester: [Back with Blinn \(https://www.blinn.edu/back-with-blinn/index.html\)](https://www.blinn.edu/back-with-blinn/index.html).

## \* Course Policies

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**Please read: [Fall 2020 General Course Policies. \(http://www.blinn.edu/back-with-blinn/course-policies.html\)](http://www.blinn.edu/back-with-blinn/course-policies.html)**

[Student Email, Exam Review Procedures, Deadlines for Assignments and Labs, Make-up Policy, Reading and Research, Lab Hours and Decorum, Removable Hard Drives, Professional Disclaimer, and Learning Activities are found here.](#)

## Attendance Policy

Attendance is based on assignment submissions. You must turn in at least 50% of the assignments each week to be considered attending the class that week. After two weeks of not attending, you are subject to being dropped from the class per Blinn's attendance policy.

## Grading Feedback

- Grades will be posted to eCampus within 2 business days of the due date.
- Late work will receive a 10% deduction in the grade per day late.
- Technical issues outside of the control of the student will be taken into consideration in the late policy.

## Academic Integrity/Proctoring

- All work is to be individual work.
- Exams will be proctored using Honorlock. A webcam is required.
- Any violations of Blinn's Academic Integrity policies will not be tolerated. First time offenders will receive zeros on all affected assignments. Second time offenders will receive an F for the course.

## Schedule

The instructor reserves the right to make adjustments as necessary to enhance achievement of Student Learning Outcomes.

Week 1	Meeting Details	Contact Hrs
25-Aug	Intro and 124 Review	4
27-Aug	124 Review	
Week 2	Meeting Details	
1-Sep	124 Review	4
3-Sep	124 Review	
Week 3	Week 3 Meeting Details	
8-Sep	124 Review	4
10-Sep	Test 1	
Week 4	Week 4 Meeting Details	
15-Sep	134 Ch 1	4
17-Sep	134 Ch 2	
Week 5	Week 5 Meeting Details	

22-Sep	134 Ch 3	4
24-Sep	134 Ch 4	
<b>Week 6</b>	<b>Week 6 Meeting Details</b>	
29-Sep	134 Ch 5	4
1-Oct	134 Ch 6	
<b>Week 7</b>	<b>Week 7 Meeting Details</b>	
6-Oct	134 Ch 7	4
8-Oct	134 Ch 7	
<b>Week 8</b>	<b>Week 8 Meeting Details</b>	
13-Oct	134 Ch 8	4
15-Oct	134 Ch 8	
<b>Week 9</b>	<b>Week 9 Meeting Details</b>	
20-Oct	134 Ch 9	4
22-Oct	134 Ch 9	
<b>Week 10</b>	<b>Week 10 Meeting Details</b>	
27-Oct	134 Ch 10	4
29-Oct	134 Ch 10	
<b>Week 11</b>	<b>Week 11 Meeting Details</b>	
3-Nov	134 Ch 11	4
5-Nov	134 Ch 12	
<b>Week 12</b>	<b>Week 12 Meeting Details</b>	
10-Nov	Test 2	4
12-Nov	D0180	
<b>Week 13</b>	<b>Week 13 Meeting Details</b>	
17-Nov	D0180	4

19-Nov	DO180	
<b>Week 14</b>	<b>Week 14 Meeting Details</b>	
24-Nov	DO180	<b>4</b>
<b>Thanksgiving Break</b> <b>Nov 25 - 27</b>		
11/30	Last Day to Q Drop	
<b>Week 15</b>	<b>Week 15 Meeting Details</b>	
1-Dec	DO180	<b>4</b>
3-Dec	DO180	
<b>Week 16</b>	<b>Week 16 Meeting Details</b>	
10-Dec	Final	<b>4</b>
	<b>Total Contact Hours</b>	<b>64</b>