

# Advanced Linux

## ITSC-2325

Fall 2018 Section 370 CRN-13138 3 Credits 08/27/2018 to 12/13/2018 Modified 08/25/2018

### Meeting Times

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#### Lecture/Lab

Tuesday, Thursday, 12:00 PM to 1:50 PM, Bryan Campus, F241

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Q Drop Date - November 30

Final Exam - Thursday, December 13, 10:15 AM - 12:30 PM

### Contact Information

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#### Instructor: Mrs. Carol Wiggins

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

Office: Brenham: BULL 104, Bryan: F262, RELLIS 330

Phone: 979-830-4295

Website: [www.bilnn.edu](http://www.bilnn.edu)

Office Hours: Please call 979-830-4295, 979-398-2455, or email [carol.wiggins@blinn.edu](mailto:carol.wiggins@blinn.edu) to schedule an appointment outside of my posted office hours.

#### Posted Office Hours

BULL 104:

Monday 11:00 - 11:30 am

F262:

Tuesday/Thursday 10:30 am - 11:30 am

RELLIS

Tuesday/Thursday 3:30 - 4:00 pm

### Description

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Provides instruction in advanced 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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### Red Hat System Administration II (RH254)

**Publisher:** Red Hat Academy

**Availability:** Online

**Price:** \$50.00

You must register online to purchase the book. Register at <https://www.gilmore.ca/RedHat/RegisterUser.aspx?748c830e9d0642873353e40b2f4b9ea7> (<https://www.gilmore.ca/RedHat/RegisterUser.aspx?748c830e9d0642873353e40b2f4b9ea7>)

## ☰ 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                 |
| Semester Project    | 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 \(http://www.blinn.edu/admnpolicy/intro.htm\)](http://www.blinn.edu/admnpolicy/intro.htm) 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.

## \* Course Policies

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### Student Email

See [http://cit.blinn.edu/course\\_policies.php \(http://cit.blinn.edu/course\\_policies.php\)](http://cit.blinn.edu/course_policies.php)

### Exam Review Procedures

See [http://cit.blinn.edu/course\\_policies.php \(http://cit.blinn.edu/course\\_policies.php\)](http://cit.blinn.edu/course_policies.php)

### Deadlines for Assignments and Labs

See [http://cit.blinn.edu/course\\_policies.php \(http://cit.blinn.edu/course\\_policies.php\)](http://cit.blinn.edu/course_policies.php)

### Reading and Research

See [http://cit.blinn.edu/course\\_policies.php \(http://cit.blinn.edu/course\\_policies.php\)](http://cit.blinn.edu/course_policies.php)

### Lab Hours and Decorum

See [http://cit.blinn.edu/course\\_policies.php \(http://cit.blinn.edu/course\\_policies.php\)](http://cit.blinn.edu/course_policies.php)

### Removable Hard Drives

See [http://cit.blinn.edu/course\\_policies.php \(http://cit.blinn.edu/course\\_policies.php\)](http://cit.blinn.edu/course_policies.php)

### Professional Disclaimer

See [http://cit.blinn.edu/course\\_policies.php \(http://cit.blinn.edu/course\\_policies.php\)](http://cit.blinn.edu/course_policies.php)

### Learning Activities

See [http://cit.blinn.edu/course\\_policies.php \(http://cit.blinn.edu/course\\_policies.php\)](http://cit.blinn.edu/course_policies.php)

## Schedule

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

| Week One | Meeting Details           | Contact Hrs |
|----------|---------------------------|-------------|
| 8/28     | Class Intro, RH124 Review | 4           |
| 8/30     | RH134 Review              |             |

|                                       |                               |          |
|---------------------------------------|-------------------------------|----------|
| <b>Week Two</b>                       | <b>Meeting Details</b>        |          |
| 9/4                                   | RH254 Ch 1                    | <b>4</b> |
| 9/6                                   | RH254 Ch 2                    |          |
| <b>Week Three</b>                     | <b>Week 3 Meeting Details</b> |          |
| 9/11                                  | RH254 Ch 3                    | <b>4</b> |
| 9/13                                  | RH254 Ch 3                    |          |
| <b>Week Four</b>                      | <b>Week 4 Meeting Details</b> |          |
| 9/18                                  | RH254 Ch 4                    | <b>4</b> |
| 9/20                                  | RH254 Ch 4                    |          |
| <b>Week Five</b>                      | <b>Week 5 Meeting Details</b> |          |
| 9/25                                  | RH254 Ch 5                    | <b>4</b> |
| 9/27                                  | RH254 Ch 5                    |          |
| <b>Week Six</b>                       | <b>Week 6 Meeting Details</b> |          |
| 10/2                                  | RH254 Ch 6                    | <b>4</b> |
| 10/4                                  | RH254 Ch 6                    |          |
| <b>Week Seven</b>                     | <b>Week 7 Meeting Details</b> |          |
| 10/9                                  | RH254 Ch 7                    | <b>4</b> |
| 10/11                                 | RH254 Ch 7                    |          |
| <b>Week Eight</b>                     | <b>Week 8 Meeting Details</b> |          |
| 10/16                                 | RH254 Ch 8                    |          |
| 10/16                                 | RH254 Ch 8                    |          |
| <b>Test 1 Available 10/15 - 10/19</b> |                               | <b>4</b> |
| <b>Week Nine</b>                      | <b>Week 9 Meeting Details</b> |          |

|   |                                |   |
|---|--------------------------------|---|
| 10/23                                   | RH254 Ch 9                     | 4 |
| 10/25                                   | RH254 Ch 9                     |   |
| <b>Week Ten</b>                         | <b>Week 10 Meeting Details</b> |   |
| 10/30                                   | RH254 Ch 10                    | 4 |
| 11/1                                    | RH254 Ch 10                    |   |
| <b>Week Eleven</b>                      | <b>Week 11 Meeting Details</b> |   |
| 11/6                                    | RH254 Ch 11                    | 4 |
| 11/8                                    | RH254 Ch 12                    |   |
| <b>Week Twelve</b>                      | <b>Week 12 Meeting Details</b> |   |
| 11/13                                   | RH254 Ch 13                    | 4 |
| 11/15                                   | RH254 Ch 13                    |   |
| <b>Week Thirteen</b>                    | <b>Week 13 Meeting Details</b> |   |
| 11/20                                   | Semester Project               | 4 |
| <b>Thanksgiving Break 11/21 - 11/23</b> |                                |   |
| <b>Week Fourteen</b>                    | <b>Week 14 Meeting Details</b> |   |
| 11/27                                   | Semester Project               | 4 |
| 11/29                                   | Semester Project               |   |
| 11/30                                   | <b>Last Day to Q Drop</b>      |   |
| <b>Test 2 Available 11/26 - 11/30</b>   |                                |   |
| <b>Week Fifteen</b>                     | <b>Week 15 Meeting Details</b> |   |
| 12/4                                    | Semester Project               | 4 |
| 12/6                                    | Semester Project               |   |
| <b>Week Sixteen - Finals Week</b>       | <b>Week 16 Meeting Details</b> |   |

|                    |                            |           |
|--------------------|----------------------------|-----------|
| 5/10 10:15 - 12:30 | Comprehensive Final        | 4         |
|                    | <b>Total Contact Hours</b> | <b>64</b> |