

Lake Land College

Course Information Form

|                                      |  |  |   |                         |                     |      |   |                     |                                  |        |             |       |     |
|--------------------------------------|--|--|---|-------------------------|---------------------|------|---|---------------------|----------------------------------|--------|-------------|-------|-----|
| COURSE NUMBER:                       | CIS-079  | TITLE: (30 Characters Max)   |   | Client Operating System |                     |      |   |                     |                                  |        |             |       |     |
| SEM CR HRS:                          | 3  | Lecture:   |   | 2                       | Lab:                |      | 2 |                     |                                  | ECH:   | 4           |       |     |
| Course Level:                        | <input type="checkbox"/> Gen Ed / IAI<br><input type="checkbox"/> Baccalaureate /Non-IAI |  | <input type="checkbox"/> Career/Technical<br><input type="checkbox"/> Dev Ed/ Not in Degree Audit |                         | Clinical Practicum: |      | 0 | SOE/<br>Internship: |                                  | 0      | SOE<br>ECH: | 0     |     |
| COURSE PCS #                         | 12   |  | IAI Code  |                         |                     |      |   |                     | Contact Hours (Minutes Per Week) |        |             |       |     |
| Repeatable (Y/N):                    | Y  | Pass/Fail (Y/N):   | N   | Variable Credit (Y/N):  | N                   | Min: |   | Max:                |                                  | 16 Wks | 200         | 8 wks | 400 |
| Prerequisites:                       |  |  |   |                         |                     |      |   |                     |                                  |        |             |       |     |
| Catalog Description: (40 Word Limit) |  | A comprehensive examination of Client Operating Systems. Course of study includes, but is not limited to, Microsoft client operating systems. Topics include installation, configuration, optimization, administration, network integration, and other support issues. |   |                         |                     |      |   |                     |                                  |        |             |       |     |

|    | List the Major Course Segments (Units) | Contact Lecture Hours | Contact Lab Hours | Clinical Practicum | Non-Clinical Internship/ SOE |
|----|--|-----------------------|-------------------|--------------------|------------------------------|
| 1  | Introduction                           | 2                     |                   |                    |                              |
| 2  | Windows 9x Architecture                | 7                     |                   |                    |                              |
| 3  | Networking and Communications          | 7                     |                   |                    |                              |
| 4  | Printing and Display                   | 3                     |                   |                    |                              |
| 5  | DOS and 16 Bit Environment             | 2                     |                   |                    |                              |
| 6  | Administration and Control             | 4                     |                   |                    |                              |
| 7  | Implementation and Support             | 3                     |                   |                    |                              |
| 8  | Troubleshooting                        | 2                     |                   |                    |                              |
| 9  | Lab Exercises                          |                       | 30                |                    |                              |
| 10 |  |                       |                   |                    |                              |
|    | TOTAL                                  | 30                    | 30                | 0                  | 0                            |

|            |                                     |          |                                     |            |                                     |        |                                     |
|------------|-------------------------------------|----------|-------------------------------------|------------|-------------------------------------|--------|-------------------------------------|
| EVALUATION |                                     |          |                                     |            |                                     |        |                                     |
| QUIZZES    | <input checked="" type="checkbox"/> | EXAMS    | <input checked="" type="checkbox"/> | ORAL PRES  | <input type="checkbox"/>            | PAPERS | <input checked="" type="checkbox"/> |
| LAB WORK   | <input checked="" type="checkbox"/> | PROJECTS | <input checked="" type="checkbox"/> | COMP FINAL | <input checked="" type="checkbox"/> | OTHER  | <input type="checkbox"/>            |

|                     |                           |  |
|---------------------|---------------------------|--|
| COURSE MATERIALS    |                           |  |
| TITLE:              | Windows Internals: Part 1 |  |
| AUTHOR:             | Russinovich               |  |
| PUBLISHER:          | Pearson Education         |  |
| VOLUME/EDITION/URL: | 6th Edition               |  |
| COPYRIGHT DATE:     | 2012                      |  |

|                     |                           |  |
|---------------------|---------------------------|--|
| TITLE:              | Windows Internals: Part 2 |  |
| AUTHOR:             | Russinovich               |  |
| PUBLISHER:          | Pearson Education         |  |
| VOLUME/EDITION/URL: | 6th Editions              |  |
| COPYRIGHT DATE:     | 2012                      |  |

|                     |                       |  |
|---------------------|-----------------------|--|
| TITLE:              | Windows 10 Inside Out |  |
| AUTHOR:             | Bott                  |  |
| PUBLISHER:          | Amazon.com            |  |
| VOLUME/EDITION/URL: | 3rd Edition           |  |
| COPYRIGHT DATE:     | 2019                  |  |

| MAJOR COURSE SEGMENT | HOURS | LEARNING OUTCOMES   |
|----------------------|-------|---|
|                      |       | <i>The student will be able to:</i>   |
| Introduction         | 2     | Identify the differences between 9x and other Operating Systems and the advantages and disadvantages.<br>A. Overview<br>B. User Interface |

|                                 |    |  |
|---------------------------------|----|--|
| Windows 9x Architecture         | 7  | Identify and explain the various components of the Windows 9x Operating System.<br>A. System Architecture<br>B. Scheduling<br>C. Memory Usage<br>D. Plug and Play<br>E. File System<br>F. Boot Sequence  |
| Networking and Communications   | 7  | Describe the methods by which data transfers are handled by the Operating System.<br>A. Network Architecture<br>B. Interoperability – Microsoft Networks<br>C. Interoperability – Novell Networks<br>D. Interoperability – TCP/IP<br>E. Communications<br>F. Dial-up Networking<br>G. Microsoft Exchange |
| Printing and Display            | 3  | Explain the methods by which the Operating System handles file printing and video display.<br>A. Local Print<br>B. Network Print<br>C. Monitor Display   |
| DOS and 16 Bit Environment      | 2  | Explain how 9x handles issues of backward compatibility with older applications.<br>A. DOS Layer<br>B. 16 Bit Layer  |
| Administration and Control      | 4  | Describe and explain the procedures for the control over the system's physical resources.<br>A. User Administration<br>B. Drive Optimization<br>C. File Synchronization  |
| Implementation and Support      | 3  | Explain how to effectively implement a Windows 9x environment.<br>A. Installation<br>B. Transitioning<br>C. Multimedia Support   |
| Troubleshooting                 | 2  | Be able to analyze normal functions, identify abnormal functions, and use appropriate tools to correct problems.<br>A. Local Diagnostics<br>B. Remote Diagnostics  |
| Insert New Line Above this Line |    |  |
|                                 | 30 |  |

|  |  |
|--|--|
| COURSE OUTCOMES*                                   | At the successful completion of this course, students will be able to: |
| • Describe the core components and their function. |  |
| • Understand the functions of the registry.        |  |
| • Be aware of major OS variations and details.     |  |
|  |  |
|  |  |

\* Course Outcomes will be used in the Assessment Software for Outcomes Assessment. Limit to 3 - 5.