University of Cincinnati

I. Course Information:

*Title:* Intro to ABAP  
*Course #:* 2181-D_22IS8050001: (2181) INTRO TO ABAP (001)  
*Credit Hours:* 2  
*Term:* Spring 2018 (First half)  
*Time/Location:* Thursdays 6:00pm – 9:50pm, 222 Lindner Hall  
*Prerequisites:* To take this course you must: Have taken the following Course IS7050 min grade C/Pass. Be enrolled in one of these Programs 22DOC, 22GC, 22GOP, 22MAS.

II. Instructor Information:

*Name:* Cheri Myers  
*Title:* Adjunct Instructor  
*Office Information:* LCB, Room 906  
*Office:* (513)555-5555  
*Fax:* (513)555-5550  
*Email:* myers2cl@ucmail.uc.edu  
*Office Hours:*  
*Communication Policy:* Students are encouraged to contact me anytime via email. A response will be given within 36-48 hours except on weekends. Virtual office hours will be held using Adobe Connect (see Bb for more information).

III. Link to PACE:

This course aligns with PACE, the Lindner College of Business platform for developing the *total* business professional.

P – Professionalism

- Enhance oral & written *communication*, express ideas clearly, logically and persuasively.  
- Develop and practice *teamwork* skills through group projects and exercises.  
- Practice professional habits of punctuality, preparation, respect and participation.

A – Academics

- Develop foundational knowledge of core *business functions* and their interactions within firms.
• Begin applying functional and cross-functional knowledge to critically analyze business problems; for example applying techniques for business plan development.

C – Character

• Learn and apply leadership techniques for project management (plan, brief, execute, debrief).
• Build an understanding and initial skills of managing diversity, including understanding cultural differences, and challenges and opportunities of global business.
• Understand importance of ethics and social responsibility in business and personal settings.

E – Engagement

• Build understanding of importance and practices of networking through interactions with business professionals and guest speakers.
• Develop awareness and appreciation of involvement in social organizations, community service, and professional group opportunities.

IV. Course Materials

Required

• All materials are provided electronically via Blackboard

V. Course Description:

This course introduces students to basic technical skills in ABAP for SAP. Specific topics covered will include: an overview of SAP Architecture, Object Navigator, ABAP Dictionary, ABAP Editor, ABAP Debugger, Traces, and Output Management.

VI. Student Learning Outcomes:

Upon successful completion of this course, the learner will have a basic understanding of the ABAP coding language through hands on experience including:

• ABAP development environment
• Usage of data dictionaries
• Creation of simple reports
• Techniques of modularization
• Database accesses
• User dialogs: lists, selections, dynpros
• Enqueue mechanism
• Webdynpro
• Business Server Pages
• ABAP objects
• Subscreens and Tabs
• Exception Handling
• System Enhancements
VII. Instructional Methods (Including Description about Bb):

The following course utilizes the Blackboard (Bb) Learning Management System to provide student-centered online learning that will enhance the teaching and learning process. Through a variety of instructional methods (e.g. discussion boards, video lectures, readings, online assessments, etc.) the learner will become immersed and engaged in the learning process. If you are not familiar with these tools, please visit http://www.uc.edu/ucit/learningtechnologies/mobilelearn.html.

VIII. Course Communication:

University policy requires that the email set up in Blackboard is the primary means of communication. It is advisable that you use your UC email for this purpose and that you check it often. If you choose to change your email in Blackboard to a non-UC email it is your responsibility to ensure you check it frequently. Please see the attached Student Email Policy for more information:
http://www.uc.edu/content/dam/uc/infosec/docs/general/Policy_StudentEmail.pdf.

IX. Course and Grading Policies:

1. Course Structure: Changes to the syllabus, due dates, course requirements or grading requirements will be made as far in advance as possible. Due dates will be clearly marked in Blackboard. All assignments will be submitted via Blackboard. When completing discussion board assignments please make sure to abide by the rules of netiquette which are posted under course documents.

2. Academic Integrity: As with all Lindner College of Business efforts, in this course you will be held to the highest ethical standards, critical to building character. Ensuring your integrity is vital and ultimately is your responsibility. To help ensure the alignment of incentives, the Lindner College of Business has implemented a “Two Strikes Policy” regarding Academic Integrity that supplements the UC Student Code of Conduct (see: http://www.uc.edu/conduct/Code_of_Conduct.html)

   • All academic programs at the Lindner College of Business use this “Two Strikes Policy”;
   • All cases of academic misconduct (e.g., copying other students assignments, failure to adequately cite or reference, cheating, plagiarism, falsification, etc.) will be formally reported by faculty; and
   • Students will be afforded due process for allegations as outlined in the policy.

Academic misconduct in this class will result in the student failing not only the relevant assignment, but the class as a whole.
3. **Disability:** Students with disabilities who need academic accommodations or other specialized services while attending the University of Cincinnati will receive reasonable accommodations to meet their individual needs as well as advocacy assistance on disability-related issues. Students requiring special accommodation must register with the Disability Services Office. [http://www.uc.edu/aess/disability.html](http://www.uc.edu/aess/disability.html)

4. **Missed and/or late examinations, quizzes, and graded exercises:**

   - Late assignments will result in a significant grade reduction.

5. **LCB Weather Related Protocol:**
   
   When inclement weather threatens the safety of the University of Cincinnati community, the Senior Vice President for Administration and Finance may invoke University Rule 3361: 10-55-01 and declare an emergency closing.

   The Lindner College of Business will observe the university emergency closing protocol for all on-campus classes. During a university emergency closing, all college offices will be closed.

   Students should clarify with their course instructors how the closure will affect assignments and deadlines, and whether class information from the missed session(s) will be posted on Blackboard, and/or if the class will meet virtually during the closure.

   *In the event of inclement weather and the university is closed, the closure will not affect online courses. All course assignments and activities will remain as scheduled in the course syllabus.*

6. **Criteria for letter grades:**
   
   Your course grades will be based on your performance on the following:

   **Point Allocation:**
   
<table>
<thead>
<tr>
<th>Total Points Available</th>
<th>1000 Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grading Scale (example)</td>
<td></td>
</tr>
<tr>
<td>94% and above = A</td>
<td>90% = A-</td>
</tr>
<tr>
<td>87% = B+</td>
<td>84% = B</td>
</tr>
<tr>
<td>80% = B-</td>
<td>74% = C</td>
</tr>
<tr>
<td>77% = C+</td>
<td>70% = C-</td>
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<tr>
<td>60% = D</td>
<td></td>
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<tr>
<td>Below 60% = F</td>
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</tbody>
</table>

   **Description of Major Assignments**

   - **Discussion Introduction:** (50 pts.)
     
     Students are to write a 2-3 paragraph introduction of themselves. Include academic background, goals, work experiences, why you are interested in ABAP, and something interesting about yourself.
• **Exercises** (11 @ 50 pts each)
  o Students will complete coding exercises in class. Each exercise will be checked for completion and accuracy. If you miss class you are still responsible for the exercise.
• **ALV Grid exercise** (150 pts)
  o Students will complete an exercise utilizing several concepts covered in class.
• **Code Presentation** (100 pts)
  o Students will conduct a 10-15 minute presentation explaining how to a piece of code works, using a statement or concept not covered in class. Topic approved in advance by instructor.
• **Final Coding Project** (150 pts)
  o Students will complete an exercise utilizing concepts covered in class.

X. Course Schedule:

<table>
<thead>
<tr>
<th>Module #: &lt;Dates&gt;</th>
<th>Topic(s):</th>
<th>Readings, Lectures, &amp; Other Materials</th>
<th>Assignments &amp; Assessments</th>
<th>Due Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Module 1: Jan 11</td>
<td>Intro and First Program</td>
<td>Exercise 1</td>
<td></td>
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<tr>
<td>Module 2: Jan 11</td>
<td>Tools in the Environment</td>
<td>Exercise 2</td>
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<tr>
<td>Module 3: Jan 18</td>
<td>Basic Concepts</td>
<td>Exercise 3</td>
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<tr>
<td>Module 4: Jan 18</td>
<td>Database Concepts</td>
<td>Exercise 4</td>
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<tr>
<td>Module 5: Jan 25</td>
<td>Dynamic Programs</td>
<td>Exercise 5</td>
<td></td>
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<tr>
<td>Module 6: Jan 25</td>
<td>Specialties for ERP Software</td>
<td>Exercise 6</td>
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<tr>
<td>Module 7: Feb 1</td>
<td>ABAP Objects</td>
<td>Exercise 7</td>
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<td>Module 8: Feb 1</td>
<td>BSP</td>
<td>Exercise 8</td>
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<tr>
<td>Module 9: Feb 8</td>
<td>Webdynpro</td>
<td>Exercise 9</td>
<td>ALV Grid Program</td>
<td>Due</td>
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<tr>
<td>Module 10: Feb 8</td>
<td>Subscreens, Tabs and HTML Viewer</td>
<td>Exercise 10</td>
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<td>Module 11: Feb 15</td>
<td>Exception Handling</td>
<td>Exercise 11</td>
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<tr>
<td>Module 12: Feb 22</td>
<td>System Enhancements</td>
<td></td>
<td>Final Coding Project</td>
<td>Due</td>
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