

<b>COURSE TITLE BLACKBOARD SITE</b>	MCS 1142 Introduction to C Spring 2013 – <a href="http://my.ltu.edu">http://my.ltu.edu</a> and select CRN 3858
<b>INSTRUCTOR</b>	Dr. Hend Kendela, Ph.D computer science Department of Maths and Computer Science <a href="mailto:hkendela@ltu.edu">hkendela@ltu.edu</a> phone: 205-305-1526 Office hours by appointment
<b>SCHEDULE</b>	January 14 – May 10, 2013  Refer to <a href="http://www.ltu.edu/registrars_office/calendar_final_exam.index.asp">http://www.ltu.edu/registrars_office/calendar_final_exam.index.asp</a> for the last date to withdraw and other important registration related information.
<b>LEVEL/HOURS PREREQUISITE</b>	Undergraduate Degree / 2 credit hours Computer Place Assessment 34 or Undergraduate level MCS 1003 Minimum Grade of D-) and (Undergraduate level MCS 0074 Minimum Grade of D- or Undergraduate level MCS 0083 Minimum Grade of D- or Undergraduate level MCS 1214 Minimum Grade of D- or Algebra Placement Assessment 21 or ACT Math 25 or AP Calculus AB 03 or AP Calculus BC 03 or AP Calc AB Subgrade 03)
<b>REQUIRED TEXT</b>  (See Blackboard for additional resources)	<b>A Structured Programming Approach Using C By Behrouz A Forouzan &amp; Richard F. Gilberg Third edition</b> ISBN-13: 978-0-534-49132-1 ISBN-0-534-49132-4 Available for online purchase through LTU Bookstore at: <a href="http://lawrence-tech1.bkstore.com/bkstore/TextbookSelection.do?st=489">http://lawrence-tech1.bkstore.com/bkstore/TextbookSelection.do?st=489</a>
<b>ADDITIONAL RESOURCES</b>	LTU Online student resources: <a href="http://www.ltu.edu/ltuonline/">http://www.ltu.edu/ltuonline/</a>
<b>TECHNICAL SUPPORT</b>	Technical support for using Blackboard is provided by the Helpdesk, 248.204.2330 or <a href="mailto:helpdesk@ltu.edu">helpdesk@ltu.edu</a> . Send the Help Desk a form detailing any issues by clicking here <a href="http://tinyurl.com/3yqrvne">http://tinyurl.com/3yqrvne</a> .

### COURSE SCHEDULE FOR TRADITIONAL SEMESTER COURSES

This fully online course begins with a partial week online course orientation period to familiarize yourself with the online learning environment and to meet online or via the phone with your instructor. Each subsequent week starts on a Monday and ends on a Sunday.

Dates	Modules	Topics / Readings	Assignments Due
Prior to Semester Start and Jan 14 – Jan 16	Module 0	Overview of textbook Online Learning Orientation Course Orientation and group formation	Course orientation Instructor conversation
Week of Jan 14 – Jan 20	Module 1	Chapter 1 –	Bb Discussion Board
Week of Jan 21 – Jan 27	Module 2	Chapter 2 – part 1 Chapter 2 – part 2	Bb Discussion Board Forums
Week of Jan 28 – Feb 3	Module 3	Chapter 2 – part 3	Bb Discussion Board Forums
Week of Feb 4 – Feb 10	Module 4	Chapter 3 – part 1 project 1 assigned	Bb Discussion Board Forums
Week of Feb 11 – Feb 17	Module 5	Chapter 3 – part 2	Bb Discussion Board Forums
Week of Feb 18 – Feb 24	Module 6	Chapter 3 – part 3 project 2 assigned	Bb Discussion Board Forums project 1 is due
Week of Feb 25 – Mar 3	Module 7	Chapter 4 – part 1	Bb Discussion Board Forums
Week of Mar 4 – Mar 10	Module 8	Chapter 4 – part 2 project 3 assigned	Bb Discussion Board Forums project 2 is due
<b>Mid-semester Break – No Classes</b>			
Week of Mar 18 – Mar 24	Module 9	Midterm Exam Chapter 5 – part 1	Bb Discussion Board Forums
Week of Mar 25 – Mar 31	Module 10	Chapter 5 - part 2 project 4 assigned	Bb Discussion Board Forums project 3 is due

Dates	Modules	Topics / Readings	Assignments Due
Week of Apr 1 – Apr 7	Module 11	Chapter 5 – part 3	Bb Discussion Board Forums
Week of Apr 8 – Apr 14	Module 12	Chapter 6 – part 1	Bb Discussion Board Forums
Week of Apr 15 – Apr 21	Module 13	Chapter 6 – part 2	Bb Discussion Board Forums project 4 is due
Week of Apr 22 – Apr 28	Module 14	Chapter 6 – part 3	Bb Discussion Board Forums
Week of Apr 29 – May 5	Module 15	Final review	Bb Discussion Board Forums
Week of May 6 – May 10	Final Exams	Course Summary End of Course	Bb Discussion Board Forums

### STUDENT EVALUATION

The course has 10 assignments totaling 10 points. Letter grades are awarded based on the total number of points achieved. Points are deducted for late assignments.

EXAMPLES:

Assignments	Points
projects	20
Mid-term Exam	10
Homework, Quizzes	20
Final Exam	40
Online Participation	10
Total Points	100

Class Points	Letter Grade
96 and above	A
90 – 95	A-
87 – 89	B+
83 – 86	B
80 – 82	B-
77 – 79	C+
73 – 76	C
70 – 72	C-
61 – 70	D (Undergrad Only)
60 and below	E

*Note: Grades lower than a "B" fall below the LTU graduate standard*

## EDUCATIONAL GOALS

The overall goals of the course:

- To provide the basic concepts of program design
- To introduce the C programming language

## STUDENT LEARNING OBJECTIVES / OUTCOMES

- To understand and use the basic programming structures
- To be able to design a program
- To be able to write and run a program in C

## PREREQUISITE SKILLS

( Computer Place Assessment 34 or Undergraduate level MCS 1003 Minimum Grade of D-) and (Undergraduate level MCS 0074 Minimum Grade of D- or Undergraduate level MCS 0083 Minimum Grade of D- or Undergraduate level MCS 1214 Minimum Grade of D- or Algebra Placement Assessment 21 or ACT Math 25 or AP Calculus AB 03 or AP Calculus BC 03 or AP Calc AB Subgrade 03)

## INSTRUCTIONAL METHODS AND COURSE ORGANIZATION

**Blackboard Learning Environment** – Blackboard at my.ltu.edu contains the syllabus, all assignments, reading materials, streaming videos, narrated PowerPoint mini-lectures, podcasts, written lecture notes, chapter quizzes, links to Web resources, and discussion forums. You will submit all assignments via Blackboard, and are expected to participate regularly in discussion topics. Please take time to familiarize yourself with the organization of the Blackboard site. You will want to check the site frequently for announcements reminding you of new resources and upcoming assignments.

**Student/Instructor Conversations** – Students keep in touch with the instructor via e-mail messages, telephone conference calls, and IM conversations.

**Self-Assessments** – Pre- and post- self-assessment tools will help students measure their entering skills and progress during the course.

**Required Reading** – Textbook chapters should be read according to the schedule outlined in the syllabus. Chapters will be discussed online.

**Publisher Web Site** – A publisher web site at <http://www.course.com/> includes instructional materials, PowerPoint slides, case studies, application exercises, and practice quizzes. You should make use of as many of these resources as you need to be successful.

## Assignments –



There will be **Homework assignments** included in the modules each week. The assignments must be submitted by the dates indicated on the assignment schedule. Late assignments will not be graded. It is important that the student completes all reading assignments so as to be able to manage the homework

and projects.

### Project assignments for the Course:

Assignment	Assigned on	Collected on
(1)	02/04/2013	02/24/2013
(2)	02/18/2013	03/10/2013
(3)	03/04/2013	03/31/2013
(4)	03/25/2013	04/21/2013

Programs will be graded for scope, correctness, style, documentation, and timeliness. A program that "works" will not receive full credit unless it is well written, properly documented, and efficient in terms of memory space used and execution speed. Late projects will not receive full credit. Unless otherwise specified, projects turned in late will lose 5% per day late and will not be accepted after one week late.

### CLASS POLICIES AND EXPECTATIONS

Students are expected to follow each module on a regular basis and participate in the discussions. They are responsible for all the material presented therein. Formal participation records will be maintained. Participation is highly correlated with performance on the projects and the exams.

*I plan to offer you a valuable learning experience, and expect us to work together to achieve this goal. Here are some general expectations regarding this course:*

Each student has a LTU email account. If you wish to use a different email address for this course, please **change your email address in Blackboard under "Blackboard Tools", then "Personal Information"** and send an email to me to store your email address in my directory.

Readings, discussion forum participation, and written assignments must be completed according to the class schedule. It is important to contact the instructor as needed to discuss personal needs regarding course requirements and assignments.

It is essential that all students actively contribute to the course objectives through their experiences and working knowledge.

All assignments must be submitted on schedule, via Blackboard, and using Microsoft Office compatible software. If you need to submit an assignment via email, contact the instructor in advance.

Assignments must be completed to an adequate standard to obtain a passing grade. Requirements for each assignment are detailed in this syllabus.

Be prepared to log into Blackboard at least once each day. Please focus your online correspondence within the appropriate Blackboard discussion forums, so that your colleagues may learn from you.

At midterm and at the end of the course, you will be invited to participate in a University evaluation of this course. Your feedback is important to the University, to LTU Online, and to me as an instructor, and I strongly encourage your participation in the evaluation process.

It is important for you as students to know what to expect from me as your instructor:

- I will be available to you via e-mail and phone, and will promptly reply to your messages.
- I will be available to you for face-to-face appointments as requested.

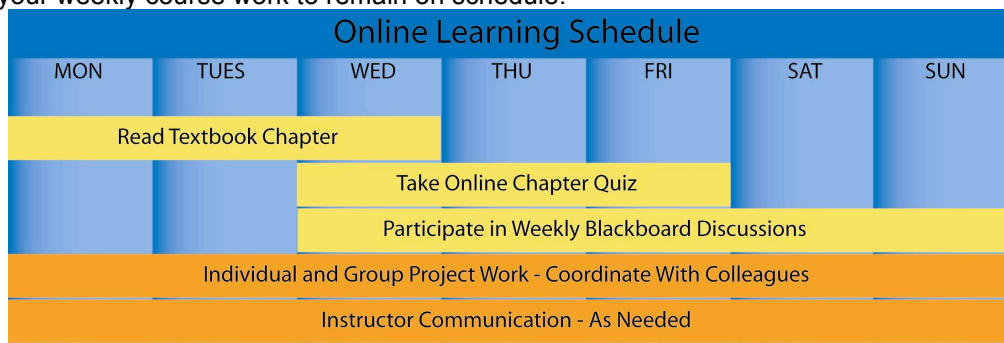
- I will maintain the Blackboard web site with current materials, and will resolve any content-related problems promptly as they are reported to me.
- I will send out a weekly e-mail update to all class members to guide upcoming work and remind you of assignment due dates.
- I will return all assignments to you promptly, and will include individualized comments and suggestions with each assignment.
- I will hold our personal written or verbal communications in confidence. I will not post any of your assignments for viewing by the class without requesting your approval in advance.
- I will treat all members of the class fairly, and will do my best to accommodate individual learning styles and special needs.
- If any of these points need clarification, or should special circumstances arise that require my assistance, please contact me so that we may discuss and resolve the matter.

### PRACTICAL GUIDELINES FOR CLASS LOAD EXPECTATIONS

A three-credit course generally requires at least nine hours per week of time commitment. Here are some practical guidelines to help schedule your time commitments for this online course:

- A 14-week semester (the Summer semester is compressed into 10 weeks) would require at least 126 hours of time commitment to successfully complete all readings, activities, assignments, and texts as described in this syllabus.
- You should reserve at least 6 hours per week to read the required textbook chapters and resources, participate in online discussions, review presentation materials, and work through online quizzes. This effort will total at least 84 hours over the course of the semester.
- You should organize your remaining time to roughly correspond with the point value of each major assignment. This means that you should plan to spend at least:
  - 8-9 hours preparing your case study review;
  - 24-40 hours working with your group on the three parts of your semester-long project;
  - 8-9 hours working on the various components of your reflective consolidation (final exam).

These guidelines may not reflect the actual amount of outside time that you – as a unique individual with your own learning style – will need to complete the course requirements. The number of hours each week will vary based on assignment due dates, so please plan ahead to insure that you schedule your academic, work, and personal time effectively. The following graphic may be used to guide you in planning your weekly course work to remain on schedule:



### ASSIGNMENT DETAILS

Course assignments and evaluation criteria are detailed below. Please review these requirements carefully. See the section Academic Resources / Assessment Guidelines for information about assessment of written and oral presentations.

Details for all assignments are shown below. Please note that you should not submit any assignments to the Blackboard “Digital Drop Box.” All assignments are submitted using the Blackboard “Assignments” or “SafeAssign” function. Some assignments are also posted to the Blackboard Discussion Forum for student comments.

### Assignment nnn (nnn Points)

**Overview** – Describe the specific requirements of the assignment here. Then list the specific student deliverables below:

- First requirement
- Second requirement
- Etc.

**Proposal** – If students need to propose a specific topic or approach, outline how the proposal is made in this section.

**Deliverables and Evaluation** – Describe how students submit their assignment deliverables in this section.

Describe in specific terms how the student’s work will be evaluated. An example follows:

- Your case study document (up to 5 points)
- Nominal three page case with title and team member names – 2 points
- Organization and overall writing quality – 2 points
- Assignment submitted on time – 1 point
- Your critique (up to 3 points)
- Use of either a “lessons learned” or “best practices” approach – 2 points
- Overall critical thinking and writing quality – 1 point
- Your citations (up to 3 points)
- Use of at least three citations from trade or academic journals – 2 points
- Use of APA citation formatting – 1 point
- Your Blackboard discussion forum posting and response to questions (up to 4 points)
- Posting your document and a brief “executive summary” – 1 point
- Posting one or two focused questions for follow-up discussion – 1 point
- Responses to questions from class members – 2 points

### Quizzes and Online Participation (20 points)

Each student is expected to actively participate in online activities. Class participation is evaluated to a maximum of 20 points based on:

- Up to 10 points – Reading the required text chapters and working through the online practice quizzes according to the class schedule; and
- Up to 10 points – Actively participating in Blackboard discussion forums, responding to questions posted by the instructor, and interacting positively with other students.

### SYLLABUS ADDENDA

Please see the LTU Online “Current Students” web site <http://www.ltu.edu/ltuonline/> for comprehensive information about Lawrence Tech’s academic services, library services, student services, and academic integrity standards. The content of this web site is explicitly included in these syllabus requirements.

The LTU Online “Current Students” web site also includes grading rubrics used by your instructor to evaluate written assignments, discussion forum participation, and group assignments. Please note that the SafeAssign anti-plagiarism product will be used for written assignments submitted for this course. Please see the instructions included on the [eHelp web site](#) regarding the use of the SafeAssign product.

#### Undergraduates: Leadership Transcripts

The leadership transcript enables students to track co-curricular activities that are undertaken above and beyond the requirements of the LTU curriculum. The leadership transcript serves students by enhancing the leadership portfolio; providing the opportunity for a transcript of distinction; enhancing their resumes; and assisting in articulating leadership experience. It can be accessed by logging on to Banner Web and clicking the Student and Financial Aid tab. Leadership Activities is located at the bottom of the list. More information is available at <http://www.ltu.edu/leadership>.