Combined Syllabus for
ITSE 1491 - Intro to C# Programming
ITSE 1492 – Special Topics in Computer Programming: Advanced C#
ITSE 2472 Web Application Development
Computer Science Department
Business and Social Science Division

Note: this combined syllabus is used for three distance courses. The assignments and expectations are different. But the course design, grading, and due dates are the same. These courses are designed for busy students and professionals – the course is designed to fit the lifestyles of these students.

Course Information

ITSE 1491 – Introduction to C# Programming
(4 credit hours)

C# is a modern, object-oriented language that enables programmers to quickly build a wide range of applications for the Microsoft.NET environment. This course is a study of the design, coding, testing and documentation of computer programs using a current, personal computer C# compiler. All C# statements and operators are covered in lecture and used within practice programs and program assignments. This is a review of basic logic concepts and various advanced logic concepts (selection logic and array) are mastered.

ITSE 1492 – Special Topics in Computer Programming: Advanced C#
(4 credit hours)

Topics address recently identified current events, skills, knowledge and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. Further application of C# programming techniques including subjects such as file access, abstract data
structures, class inheritance and other advanced techniques.

**ITSE 2472 Web Application Development**

(4 credit hours)

Build dynamic interactive web sites utilizing web application development tools. Focus is on design techniques, execution of web programs, and implementation of credit card authorization techniques.

### Course Delivery

These are *Distance Education* based courses. No classroom time is required but some may become available throughout the semester. Student support and assistance is provided via Yahoo and Microsoft Instant Messenger and via LogMeIn.com (a professional remote access application).

### Instructor Information and College Contacts

**Division Dean: Becky Gustamante**

936-273-7321, Office: F355, beckyg@lonestar.edu

**Department Chair: Carolyn Poe**

936-273-7481, Office: F353, carolyn.poe@lonestar.edu

**Instructor: Mark Reynolds**

BS Electrical Engineering, MS Engineering

MCC Email: mark.e.reynolds@lonestar.edu.

Office Hours: 7:30-8:00 (am) F-314 MW

Business Website: www.intentdriven.com

*Please use the mail program built into WebCT for communication.*

There are several options for contacting me:

College Email at mark.e.reynolds@lonestar.edu is used for private (personal and performance) communications. I will reply to you within 2 business day(s) (normally same day or next morning)

WebCT Discussion Forums for assignment questions (this will benefit all students)

In the rare, true emergency, use the Houston business line: 832-364-6778.

General questions (I can’t make my program run) should be sent first via instant messenger

- MSN at mreyolds@intentdriven.com (not a valid email) or Yahoo at intentdriven. On-line assistance will be provided via LogMeIn.com. The student will be instructed to go to LogMeIn123.com and enter the 6 digit access code.

Questions / Printouts may be faxed to 832-364-6779. Cover pages are not required, but be sure that the fax is clearly identified.

### Evaluations and Assignments

**Assignments**

10 Unit Projects @ 100pts each

1 Semester Paper (3-5 pages) @ 100 pts
1 Final Exam @ 100 pts

Specific assignments for each class, for each unit will be provided in WebCT/Blackboard. You are responsible for keeping up with verifying your grades. Do NOT throw away papers until after the final grade is received.

**Letter Grade Assignment**

Final letter grades will be assigned in the following manner:

- 1100 and up A
- 1000 - 1099 B
- 900 - 999 C
- 800 - 899 D

Passing requires 800 of 1200.

**Learning Outcomes**

**ITSE 1491 – Introduction to C# Programming**

- Code instruction in C# using appropriate statements, variables and syntax
- Incorporate array processing into program solutions
- Identify and correct syntax and logic errors
- Pass data functions by value and reference
- Create programs using classes and objects

**ITSE 1492 – Special Topics in Computer Programming: Advanced C#**

- Develop correct, well-documented programs containing complex data structures
- Incorporate complex input/output file handling procedures
- Incorporate advanced C# language capabilities such as references, arrays, function and operator overloading, and exception handling
- Implement Object Oriented features of C# including classes, inheritance, polymorphism, etc. for more code reuse and better design
- Utilize the framework of dot net for developing applications in specific areas

**ITSE 2472 Web Application Development**

- Apply the basic of application design.
- Interact with e-mail, web, and LDAP servers.
- Schedule the automatic execution of web programs.
- Implement advanced security
- Interface with databases using web development tools.
- Use SQL for advanced dynamic database interaction.
- Utilize real-time credit verification and authorization.
- Employ session state management.

**Required Materials**

**ITSE 1491 – Introduction to C# Programming**


**ITSE 1492 – Special Topics in Computer Programming: Advanced C#**
ITSE 2472 Web Application Development

AJAX Web host - provided Book - Internet and World Wide Web by Deitel 978-0-13-175242-9
Downloads - VStudio 2008 and AJAX toolkit (please wait for my instructions on AJAX) Supplemental /
optional: VisiBone Browserbook -

http://www.visibone.com/products/browserbook.html

General Expectations

Intent Driven Designs

Intent Driven Designs, LLC. is my company. Intent Driven is furnishing a full-featured .NET 3.5 web
host and SQL host for the ITSE 1492 and ITSE 2472 classes.

If you manage to get outside of your area, you are expected to report it. Violation of this rule will result
in receiving an "F" for the course. Reason is simple – a private company is providing resources to the
college with one proviso – do no harm and report and security holes stumbled upon.

Classroom Behavior

Professional, business normal communications are required. Vulgarities, innuendo, insolent,
disrespectful attitudes will not be tolerated.

The Lone Star College Catalog [Student Conduct, Section 562.01d] states, "Disruptive activity that
hinders other students’ learning or deters an instructor from effective teaching will not be tolerated
under any circumstances."

Withdrawal Policy

If you need to withdraw from the course, you are responsible for initiating the paperwork in a timely
manner. Failure to drop a class will result in the student receiving a grade of "F". Check the college
website to determine the last date that you may drop a class and receive a "W".

Please do your instructors a favor—let us know when you drop.

Syllabus Change

While every attempt has been made to prepare this syllabus and class schedule in final form, it will be
the instructor’s prerogative to make any changes as may be deemed necessary in order to meet the
learning outcomes of the course. The latest, updated syllabus may be found online in WebCT.

Certificate/Degree Plan

Degree plans for programs offered at Montgomery College can be located in the Lone Star
College catalog or on the Montgomery College website at: http://montgomery.lonestar.edu.

Academic Integrity
In the event of cheating or plagiarism, you may receive an ‘F’ for the assignment and/or an “F” in the course. For the college policy on cheating and plagiarism please see the student handbook on the college website at: http://montgomery.lonestar.edu.

**Software Piracy**

Law strictly prohibits unauthorized copying of software purchased by Montgomery College for use in laboratories. *Montgomery College* administration will take appropriate disciplinary action against anyone violating copyright laws.

**Computer Virus Protection**

Computer viruses are, unfortunately, a fact of life. Using the diskettes on more than one computer creates the possibility of infecting computers and diskettes with a computer virus. This exposes the computers of the campus, your personal computer, and any others you may be using to potentially damaging viruses. The campus has aggressive anti-virus procedures in place to protect its computers, but cannot guarantee that a virus might not temporarily infect one of its machines. It is your responsibility to protect all computers under your control and use and ensure that each diskette you use, whenever or wherever you use it, has been scanned with anti-virus software. Since new viruses arise continually, your anti-virus software must be kept current. And, since no anti-virus software will find every virus, keeping copies of data (backups) is extremely important.

**Equal Opportunity Statement**

See Lone Star College catalog or go to http://www.lonestar.edu

**ADA Statement**

See Lone Star College catalog or go to http://www.lonestar.edu

**Advising**

For additional assistance or more information on degree plans or future courses that Montgomery College may offer, please contact one of the counselors.