

Hagerstown Community College

Master Syllabus

COURSE: IST-133 Visual Basic 3 credits

DATE: Spring 2018

INSTRUCTOR:

COURSE DESCRIPTION:

This course provides an introduction to Microsoft Visual Basic 2010. Topics include designing a Visual Basic user interface, creating a windows application, variables and arithmetic operations, using decision structures, loop structures, Web applications with ASP and string manipulation, Visual Studio tools for Office applications, arrays, function procedures and exception handling, incorporating databases with ADO.NET (if time allows). Laboratory fee required. Prerequisite: IST 102 or consent of instructor.

TEXTBOOK:

*Microsoft Visual Basic 2015 for Windows, Web, Windows Store, and Database Applications: Comprehensive*  
Shelly Cashman Series (ISBN-13: 978-1-285-85689-6, ISBN-10: 1-285-85689-9)

STUDENT LEARNING OUTCOMES:

- ✓ Develop and debug applications using Visual Basic 2012 that run under the Windows operating system.

MINIMUM CLOCK HOURS REQUIRED FOR THIS COURSE

	DIRECT Faculty Instruction In-class  <b>37.5 h required</b>	Student Work Out of Classroom <b>75 h required</b>
In-class "lecture"	37.5 h	
Reading chapters		20 h
Quiz/activity for each chapter	Included in lecture time	45 h prep
Research project		10 h
4 lecture exams		8 h exam prep
Cumulative final exam (Academic Testing Center)	Included in lecture time	3 h exam prep
<b>Total Hours</b>	<b>37.5 h</b>	<b>86 h</b>

**Services for Students with Disabilities:** Students may receive reasonable accommodations if they have a diagnosed disability and present appropriate documentation. Students seeking accommodations are required to contact the Disability Support Services (DSS) office as early as possible. Students may contact a DSS staff member for an appointment at [dss@hagerstowncc.edu](mailto:dss@hagerstowncc.edu) or at 240-500-2530.