



Course Syllabus

COURSE SECTION INFORMATION

Instructor: Nagendra Vemulapalli
Sections: CS101-7, CRN 82368, Mon/Wed 11:30am-12:20pm, 206 Armstrong Hall
CS101-9, CRN 82369, Mon/Wed 12:30pm-1:20pm, 206 Armstrong Hall
Website: <http://cs101.wvu.edu>
<http://cs101.wvu.edu/vemulapalli/>

INSTRUCTOR CONTACT INFORMATION

E-mail: nagendra.vemulapalli@mail.wvu.edu
E-mail is the best way of reaching your instructor. Please send your message from your MIX account. Be sure to clearly identify yourself.
Phone: (304) 293-3285 extension 2243
Office: 210N Armstrong Hall (Morgantown, Downtown Campus)
Schedule: Office hours are planned for Monday from 3:30pm-5:30pm during Open Lab in 219 Armstrong Hall. Other times are available by an appointment. Please check beforehand to ensure availability.

COURSE COORDINATOR CONTACT INFORMATION

If you are unable to receive assistance from your instructor, you may wish to contact the course coordinator.

Coordinator: Brian Powell
E-mail: brian.powell@mail.wvu.edu
Office: 205 Armstrong Hall (Morgantown, Downtown Campus)
Schedule: Please e-mail to arrange an appointment.

COURSE DESCRIPTION AND EXPECTED LEARNING OUTCOMES

Course Catalog: CS101 Introduction to Computer Applications. 4 Hr. Introduction to spreadsheets and databases for problem solving in disciplines such as math, science, engineering, business, social sciences, behavioral sciences, and environment; using computer applications to create technical reports and presentations.

GEC: This course meets GEC Objectives 2c and 4.

Objective 2c: Basic Mathematical Skills and Scientific Inquiry

CS101 is designed to teach students how to use computer applications as effective tools for problem-solving and analyzing data. Students will be introduced to four different Microsoft Office applications, with primary focus on using Excel and Access to analyze data and solve problems.

Microsoft Excel: A spreadsheet with tools for performing mathematical calculations, applying statistical measures, charting data, and making reasoned predictions using regression analysis and goal seeking.

Microsoft Access: A database for efficiently managing, organizing, and



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extracting information from datasets.

Microsoft Word: A word processing application with features for creating technical reports including the ability to incorporate figures, equations, and citations.

Microsoft PowerPoint: An application for making presentations that effectively summarize and communicate statistical data and key results.

CS101 is taught in labs with computers for each student so that everyone has the ability to learn and experiment in a hands-on environment. We also incorporate MyITLab, a computer-based training package, to provide students with further guided experience in using the Office applications.

Throughout the course, we make extensive use of real-world datasets from a variety of disciplines. We continually stress the importance of critical thinking skills by asking students to consider the data they are analyzing and what their results represent. Every homework and exam project used in CS101 includes a series of critical thinking questions that ask students to explain the data in their project, how the existing results were derived, and how the results can be extrapolated to portend the future.

Objective 4: Issues of Contemporary Society

CS101 is a very data-centric course. We use many different real-world datasets as examples to help students understand how to use the data analysis tools in Excel and Access. Every homework and exam project involves analyzing a specific dataset.

In selecting the datasets used in the course, we have made a great deal of effort to choose topics that are current issues in science and society. Our projects cover a wide variety of disciplines in diverse areas such as vehicle fuel economy, higher education funding, and the spread of HIV/AIDS. For each topic, we have assembled datasets using real-world statistics gathered from publicly-available government and industry sources to ensure that students get the best-possible information as they analyze these issues.

Outcomes:

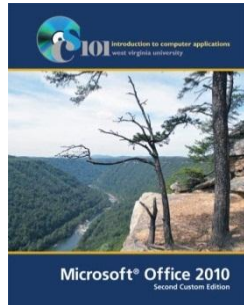
The expected learning outcomes for this course are that students will be able to:

- Perform calculations using mathematical formulas in spreadsheets, perform data analysis, trend analysis, and regression analysis on data series, create graphs, and explore what-if scenarios and possible solutions.
- Create a database to store scientific or real-world data, construct queries to extract specific information from a database, and perform data analysis.
- Use computer tools to create scientific documents using equation editor, represent experimental data in tables, draw figures, and integrate charts and graphs.
- Develop technical and scientific presentations, and embed charts, graphs, and equations using presentation tools.

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COURSE TEXTBOOKS AND REQUIRED MATERIALS

Textbook and Software:



Microsoft Office 2010 for WVU CS101, Second Custom Edition

Published by Pearson Custom

Textbook Bundles:

Print Book with MyITLab and eBook (bookstores only)
(ISBN 978-1-256-43521-1)

MyITLab and eBook only (online only)

Purchase through [Pearson website](#).

Acceptable Book Edition:

Second Custom Edition (ISBN 978-1-256-43321-7)

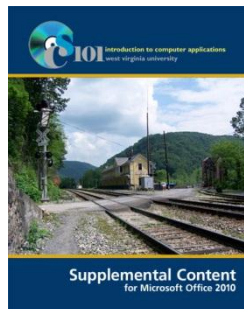
Acceptable MyITLab Edition:

MyITLab for *Exploring Office 2010* (no eBook)
(ISBN 978-0-13-503977-9)

Purchase through [Pearson website](#).

MyITLab Details: MyITLab must be purchased new. If you are retaking CS101 within 12 months of your initial MyITLab registration, you can register using your previous license.

Supplemental Content:



CS101 Supplemental Content

This material is available for download from <http://cs101.wvu.edu/supplementalcontent/>. Its content may be updated throughout the semester.

Computer

Requirements: All of the software needed for this course is available on computers in [CS101 Open Lab](#), on [WVU Libraries](#) public computers, and in the [OIT computer labs](#).

To use your own computer, you will need:

- Microsoft Office 2010 Professional Edition (for Windows)
 - Includes Word, Excel, Access, and PowerPoint.
 - A discounted academic version is available through [Microsoft Store](#).
 - Access (only) is available for free through [Microsoft Dreamspark](#).
 - Office 2007 has minor differences but is acceptable.
- [Adobe Reader](#) or another PDF viewer
- USB flash drive to store your files
- A reliable, preferably high-speed, Internet connection.

If you have a Mac, please be aware:

- Microsoft Office for Mac 2011 contains only Word, Excel, and PowerPoint.
- There is no version of Access available for Mac OS.
- Office for Mac may lack features required to complete assignments.



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- There is a special process to use MyITLab on Mac OS.

Failure to have a usable computer does not excuse you from course requirements and deadlines.

COURSE POLICIES

Grading: Course grades are based on the following assignments:

Assignment	Number	Points Each	Total Points
Homework Assignments	6	60	360
MyITLab Base Questions (grouped into 5 Lessons)	190	1.526	290
Exams #1-#2	2	100	200
Final Exam	1	150	150
Total Points			1,000

Additionally, you can earn up to 60 points in extra credit:

Opportunity	Total Points
MyITLab Bonus Questions	up to 10
Attendance Bonus	up to 30
In-Class Participation Bonus	up to 20
Possible Bonus Points	up to 60

The following letter grade scale will be used:

Letter Grade	Total Points Earned
A	900 or more
B	800-899
C	700-799
D	600-699
F	599 or fewer

You should review your grades as soon as they are posted. If you disagree with a grade or believe it is inaccurate, you may contest your grade within 7 calendar days from when the grade was released. CS101 will not accept requests to review grades after this period.

**Semester
Schedule:**

A schedule of due dates and exam dates for the entire semester is available at <http://cs101.wvu.edu/schedule>. This schedule also provides an approximation of the material to be covered on each lecture day.

For CS101 Sections 19, 21, and 7D1, Final Exams are held during the last week of class. For all other sections, exams are during Finals Week following the schedule at http://registrar.wvu.edu/current_students/finals.



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Web/E-mail: The CS101 websites and your MIX e-mail account are the primary outside-of-class means through which we distribute information. It is your responsibility to be familiar with all provided information. You will not receive accommodations for failing to check these sources daily.

MyID Account: Your MyID account will be used to login to CS101 computers and websites. You must activate your MyID account at <http://myid.wvu.edu> before use. If you encounter problems with MyID, call OIT Help Desk at (304) 293-4444.

It is your responsibility to have a working MyID account. Failure to do so may keep you from completing required tasks and can impact your grade.

Academic Integrity:

The integrity of the classes offered by any academic institution solidifies the foundation of its mission and cannot be sacrificed to expediency, ignorance, or blatant fraud. Therefore, the instructor will enforce rigorous standards of academic integrity in all aspects and assignments of this course.

Examples of academic integrity violations include, but are not limited to, the following:

- Working with another person on any assignment. You must work independently. CS101 assignments are not group projects.
- Allowing others to access your files. This applies even if done without your knowledge.
- Using a file created by someone else. Do not reuse even empty files.
- Reusing work from another semester or course.
- Using unauthorized materials during exams.
- Fraudulent submission of work.
- Fraudulent or inappropriate use of the attendance system.
- Unauthorized use or access of homework or exam projects.
- Impersonating someone else or having them impersonate you.
- Making fraudulent or dishonest statements regarding your work.
- Plagiarism.

A range of penalties is possible for academic integrity violations. The standard penalties are listed below, but more severe penalties including an unforgivable F for the course can be applied.

Occurrence	Standard Penalties
First Occurrence	No credit for the assignment. An additional 40-point penalty is also applied.
Second Occurrence or After	Failing grade (F) for the course. This penalty can be applied even if the student had no notice of the First Occurrence violation.

If an academic integrity violation is suspected, you will be notified via e-mail or certified mail. You may appeal to your instructor or the course coordinator within 7 calendar days of the notice. Failure to appeal or reply within this time period will be considered an admission of guilt and applicable penalties will be applied.

Additional information on WVU's academic integrity policy is available at http://studentlife.wvu.edu/office_of_student_conduct/student_conduct_code. If



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you have any questions about this policy or if an activity is allowed, it is your responsibility to check with your instructor beforehand.

All students must complete the [Policy Acknowledgment Form](#) to receive credit for their work. Credit will not be granted for work due prior to when this form is completed.

Academic Integrity Compliance Audit:

At any time, CS101 may audit a student’s compliance with the Academic Integrity Policy. Students who fail to successfully complete the Audit will lose all credit for assignments being audited and will lose all bonus points. The audit may also lead to the finding of academic integrity violations.

Homework:

Homework assignments are an important tool in helping students to learn course material. To assess performance, student work is graded based on a rubric provided with each assignment.

Homework assignments are to be submitted through the CS101 website by 11:59pm Eastern Time on the date they are due. All late submissions will receive a 20% grade reduction per calendar day. At the end of the semester, some assignments may not be accepted late at all. You must e-mail your instructor if you submit late work.

If multiple submissions are received, we will grade the most recent one. We retain the right to review all submissions. Submissions with blank, corrupt, missing, or incorrect files will not receive credit. It is your responsibility to keep copies of all your submitted projects.

MyITLab Lessons and Questions:

The MyITLab computer-based training software is used to provide additional experience in working with Microsoft Office. Some MyITLab work may be done before its content is taught in class to help use class time more efficiently.

5 MyITLab Lessons will be assigned over the course of the semester. Each Lesson contains multiple chapters. A pretest-training-posttest model is used. You must complete the pretest, any assigned remedial training, and the posttest for each chapter.

Grades from the highest-scoring submitted posttest for each chapter will count towards your final MyITLab grade. Scores are calculated using:

Correct Questions	Quantity	Points Each	Points Possible
First 190 Questions	up to 190	1.526	up to 290 points
Next 10 Questions	up to 10	1 bonus	up to 10 bonus points
Additional Questions		no points	no additional points
Total Points Possible			up to 290 regular points plus 10 bonus points

You must submit MyITLab Lessons by 11:59pm Eastern Time on the date they are due. Late work will be accepted until a cut-off date near the end of the semester and will receive a 50% grade reduction.

Students must purchase and register for MyITLab to complete the assigned Lessons. Due dates will not be extended because of late registration.

Students are encouraged to use a public lab computer to complete MyITLab work. These systems are less likely to encounter problems. It is your responsibility to



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complete MyITLab Lessons on-time, no matter any problems you encounter. If you experience technical difficulty, e-mail your instructor immediately.

Exams:

All exams in this course are closed book, closed notes, and closed Internet. The only allowed outside resource is the built-in Microsoft Office Help system.

Exams must be completed in one sitting. For Exams #1 and #2, 60 minutes are allowed to complete the exam. For the Final Exam, 120 minutes are allowed. Students may review the exam instructions for 10 minutes prior to starting. If you arrive late or leave early from a test, any lost time is forfeited.

You must bring a photo ID to take an exam. You will not be permitted a make-up or receive any credit without your ID.

If you wish to reschedule an exam because of a scheduled event or Day of Special Concern, you must notify your instructor at least one week in advance. Documentation may be required.

If you miss an exam because of a personal, family or medical emergency, you must notify your instructor within 36 hours of the scheduled start time. Your instructor may authorize a makeup exam at their discretion. All makeup exams must be completed within four weekdays of the original scheduled exam date.

There will be no makeup exams given for the Final Exam. You must take the exam as scheduled to receive credit.

All students enrolled in on-campus CS101 sections must take their exams at the scheduled class time.

In-Class Participation Bonus:

On-campus students will be provided with opportunities throughout the semester to earn up to 20 points of bonus credit for in-class participation activities.

Students must be present and complete the required activities to earn the credit. No makeups will be given.

Attendance:

Regular attendance is important to learn the material covered in CS101. You are responsible for any items you miss if you do not attend class.

Up to 30 bonus points will be offered to reward regular attendance. You must sign-in at <http://cs101.wvu.edu/attendance> during class to record your attendance. If you do not sign-in successfully, you will not receive credit.

You must be present to have your attendance recorded. There are no excused absences for any reason. It is possible to miss one class day and still earn the maximum amount of attendance bonus. Attendance credit starts the second day of class. Exam days do not count towards the bonus.

You must be present the entire class period to receive credit. Do not sign-in if you arrive late or must leave early. Do not sign-in from outside of class.

Fraudulent use of the attendance system may result in loss of any or all attendance credit. If you encounter an error or fraud message when recording your attendance, you must notify your instructor immediately or risk penalties.

Attendance bonus points will be awarded according to the below schedule:



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On-Campus Sections	Bonus Points (up to 30 points total)
Sections 19 and 21	1.3 points per day (24 lecture days)
All Other Sections	1.25 points per day (25 lecture days)

Class Cancellations: On rare occasions, CS101 classes or Open Lab may be cancelled. If this occurs, you will be notified by MIX e-mail and the CS101 website.

On days when class is cancelled or at other times of inclement weather, attendance credit may be granted at the discretion of the course coordinator.

Open Lab: If you need assistance or a place to work, CS101 encourages you to visit Open Lab. It is held weekdays in Armstrong Hall. A schedule of hours is available at <http://cs101.wvu.edu/openlab/>.

Open Lab staff will help answer your questions. They will not do your work for you. You need to make a reasonable attempt at completing your work before asking for assistance. You may be refused assistance if the staff believes you are misusing Open Lab.

Open Lab staff generally does not provide assistance on MyITLab Lessons.

Open Lab gets very busy near homework due dates. Please come early in the week if you want assistance. Otherwise, you may have to wait in the lab.

Class and Open Lab Conduct:

- Be attentive during class meetings. Do not use the computers for non-CS101 work.
- Do not complete assignments unless allowed by your instructor.
- Do not be late to arrive or early to leave.
- Do not converse with others or be disruptive.
- Do not eat, drink, use chewing tobacco or read newspapers.
- Cell phones and pagers must be set to vibrate or turned off during class.
- Physical abuse of equipment or furniture will not be tolerated.
- Instructors, proctors, staff, and other students are to be treated in a professional, courteous manner.

The above actions disturb other students and are disrespectful to CS101 staff. Violations may result in a grade penalty of at least 10 points per occurrence, loss of attendance credit, or removal from the class or Open Lab.

Time and Workload Expectation:

CS101 is a 4-credit hour course. Only 2 of these hours are spent in lecture. You are expected to spend the other time on your own studying and learning the course material. To help ensure that the out-of-class time commitment is met, consider scheduling time for it just as if it were a regular class session.

The workload for this course (assignments, studying, etc.) is commensurate with a 4-credit course. This requires a commitment on your part to obtain good grades.

Enrollment: By WVU policy, you must be properly enrolled and current on all billings to participate in class. If you are removed from the course for non-payment, it is your responsibility to resolve the problem with the Office of the University Registrar and Student Accounts. You may lose credit for work due while you are not enrolled.

Privacy: Under the Family Educational Rights and Privacy Act of 1974 and [WVU policy](#), students have a right to the privacy of their academic information. A [FERPA](#)



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[release](#) must be on file with CS101 before we can release information on a student's performance to outside parties including a student's parents. Granting access to the [Parent/Guest Portal](#) is not sufficient to allow the release of CS101 information.

Use of CS101 computers and systems may be monitored.

Disabilities: If you believe that you have a disability that may affect your performance in this course, it is your responsibility to contact the WVU Office of Disability Services at (304) 293-6700. Written documentation from Disability Services must be provided to your instructor in-person before any accommodations can be granted.

If you are authorized for and wish to receive accommodations for an exam, you must notify your instructor at least one week in advance. If you do not arrange accommodations in advance, they will not be given. Any rescheduled exams must be taken during the same calendar week (Monday-Friday) as the original date.

Social Justice: West Virginia University is committed to social justice. The CS101 staff concurs with that commitment and expects to foster a nurturing learning environment based upon open communication, mutual respect, and non-discrimination. Our course does not discriminate on the basis of race, sex, age, disability, veteran status, religion, sexual orientation, gender identity, color or national origin. Any suggestions as to how to further such a positive and open environment in this class will be appreciated and given serious consideration.