

OAKLAND UNIVERSITY
QMM 2400 – STATISTICAL METHODS FOR BUSINESS I
DEPARTMENT OF DECISION AND INFORMATION SCIENCES
SCHOOL OF BUSINESS ADMINISTRATION

Winter 2018 SYLLABUS

Professor : Jerry Roek
e-mail : roek@oakland.edu
Office Hours : By Appointment (before and after class)

Class Time/Place: Wednesdays 6:30 PM to 9:20 PM
Wilson Hall Room 105

Required Text: "Applied Statistics in Business and Economics" by Doane and Seward. The 5th edition ISBN 9781260106879
(can be purchased directly from the publisher online – see Moodle for details)

Course Website: All detailed course information, files, schedule, announcements, homework assignments, and homework submissions will be available at <http://moodle.oakland.edu>. Links to specific homework assignments will be located our Connect book site. A link to the site will be provided on Moodle.

Academic Conduct: All work submitted for grading (e.g. assignments, quizzes, and exams) must be the STUDENT'S OWN WORK and is to be COMPLETED INDIVIDUALLY unless otherwise indicated. Any violation of this policy will be treated as an incident of academic misconduct and will be dealt with accordingly.
Please refer to the Oakland University Web Site regarding Academic Policies and Procedures at <http://catalog.oakland.edu/content.php?catoid=11&navoid=483>

Professional Conduct: Student communications to and with the instructor and classmates shall at all times be conducted in a professional and courteous manner.

Important Dates: Please Refer to : <https://wwwp.oakland.edu/registrar/important-dates/>

Course Description: Descriptive statistics, probability, probability distributions, sampling distributions, estimation, and hypothesis tests. Emphasizes business applications and computer analysis of data. Satisfies the university general education requirement in the knowledge applications integration area. Prerequisite for knowledge applications: completion of the general education requirement in the formal reasoning knowledge foundation area.

Prerequisite(s): (MTH 121 or MTH 1221) or (MTH 122 or MTH 1222) or (MTH 141 or MTH 1441) or (MTH 154 or MTH 1554) and (MIS 100 or MIS 1000) or (CSE 130 or CIT 130 or CSI 1300) with a minimum grade of 2.0 in each course, and sophomore standing.

Course Objectives: The objective of this course is to understand the role of statistic in the decision-making process of a business environment. At the end of the course, students should understand the following topics:

- The different types of data and sampling methods
- Tabular and graphical methods for describing data sets
- Numerical methods for describing data sets
- Probability
- Probability distributions and discrete random variables
- Continuous random variables
- Sampling distributions of the sample mean and sample population
- Point and interval estimation of population means and proportions
- Hypothesis test for population means and proportions
- Introduction to a business analytics tool

Homework: Homework assignments must be submitted independently. Homework assignments are due according to the course schedule in reference to Moodle and Connect. Late assignments will be marked down based upon the period passed the due date. In the event that extraordinary circumstances prevent you from doing the homework assignment, you must contact the instructor prior to the due date and present the proper documentation. Cheating will result in a grade of 0 for the applicable homework assignment; further disciplinary actions might also be taken.

Quizzes: All quizzes will be conducted via the Connection application. Quizzes are open book (on-line) and open notes but **MUST** be done independently. Quizzes should be completed within the specified time frame. Missed quizzes will result in a grade of 0 for the quiz. In general, there will be no make-up quizzes. In the event that extraordinary circumstances prevent you from taking the quiz, you must contact the instructor prior to the due date and present the proper documentation. **Cheating will result in a grade of 0 for the applicable quiz; further disciplinary actions might also be taken.**

Required Technology: Microsoft Office 2016 - Office 2016 can be obtained for FREE. See Moodle for more details.
Some assignments may require the Windows version of Excel. The MAC version of Excel has limited capabilities when it comes to data analysis. Microsoft Access is not available for the MAC Operating System.
Qlik Sense is available via the Qlik 'cloud' environment and can be accessed via any browser on a desktop or laptop.

Software availability:

On Campus: If you don't have the required software on a home computer, it is available in Elliott Hall 215, 202, and some Oakland University computer labs, as well as computers in Kresge Library. NOTE: MS Access is not available everywhere else on campus, but it is available in Elliott Hall and some computers in the Kresge Library.

Technical Assistance: If you have general questions about the course (such as due dates, content, etc.), please contact the instructor using any of the contact methods described in the instructor section at the beginning of this document.

If you have any trouble accessing any of the content in this course:

Connect – For technical issues related to Connect that you cannot resolve on your own, please contact Connect Support via live chat. To access live chat, click the Help button at the top of our course page and choose Live Chat.

Moodle - For technical issues related to Moodle that you cannot resolve on your own, please contact the E-Learning and Instructional Support office:

- **Phone : (248) 805-1625**
- **Submit a help ticket : <http://www2.oakland.edu/elis/help.cfm?lms=2>**

Due Date Policy: Homework assignments are due on the dates indicated in this syllabus and Moodle. Dates are subject to change and will be communicated via Moodle.

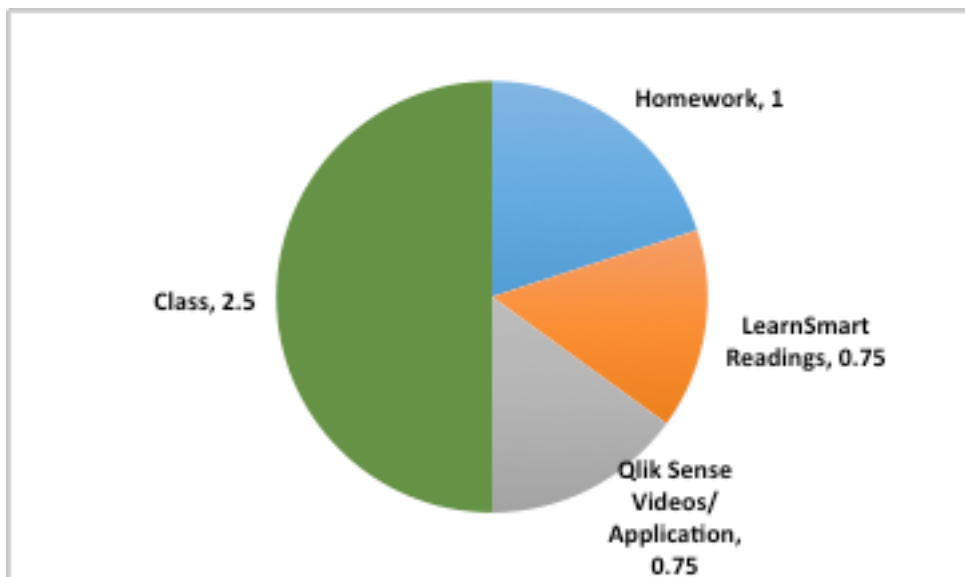
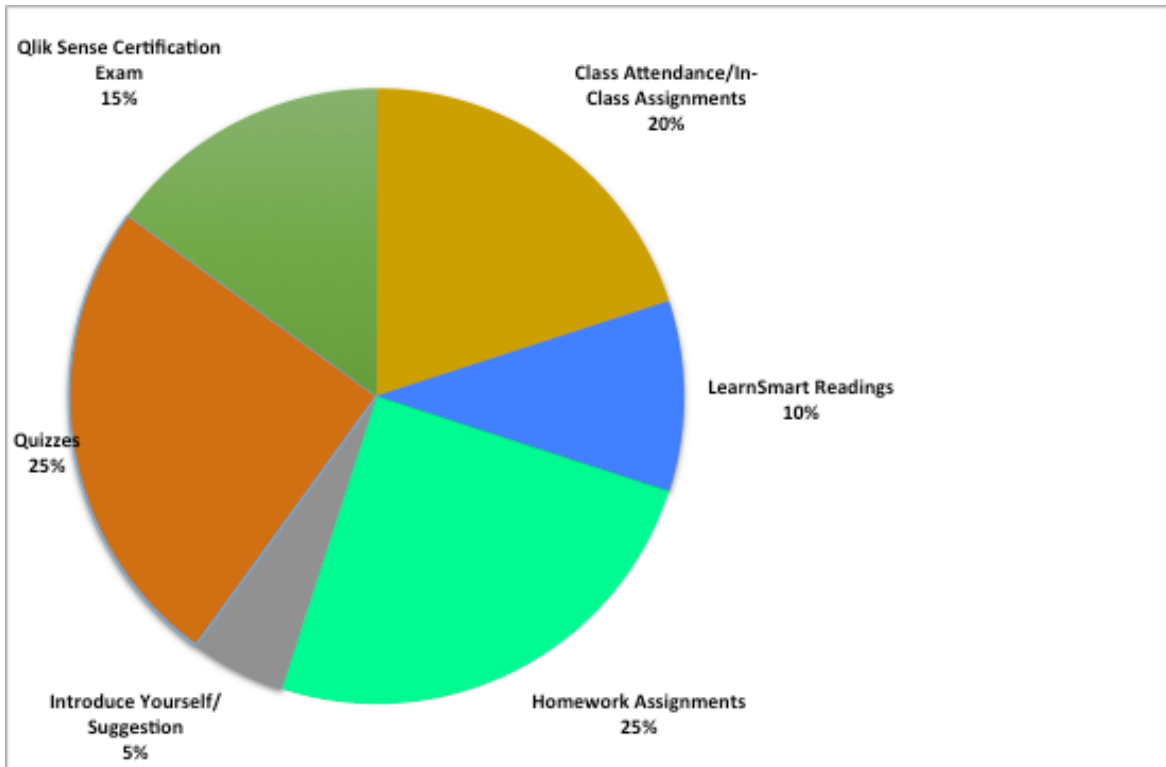
Homework assignments will NOT be accepted late, but you may submit the assignments early via e-mail. Date/time stamps on submitted e-mail messages will be used to determine if an assignment is considered to be on time. Homework assignments will be available on Moodle and via e-mail. It is your responsibility to check Moodle and your oakland.edu e-mail to receive assignments and other course materials.

Attendance Policy: Students will be responsible for all material covered in each class session, whether they were in attendance. It is **important** to attend class lecture sessions on a **regular basis** to receive the full benefit from this course. **Attendance is part of the overall course grade.**

Classroom Conduct: Please try to arrive on time for every class. If you cannot make to class on time or need to leave early, you should let me know before class. Please set your mobile devices to 'silent' mode if possible. If you need to take an urgent class – please excuse yourself accordingly. No texting, napping or 'surfing the internet' for non-related course material during class. Engaging in any of the above-mentioned activities might negatively affect your participation grade.

Grading:

Homework Assignments:	25%
Introduce Yourself/Suggestion	05%
LearnSmart Readings:	10%
Class Attendance / In-Class Assignments:	20%
Quizzes:	25%
Qlik Sense Certification Exam:	15%



GRADE CONVERSION:	Score	Grade	Score	Grade	Score	Grade
	0.986	4.0	0.796	3.0	0.696	2.0
	0.966	3.9	0.786	2.9	0.686	1.9
	0.946	3.8	0.776	2.8	0.676	1.8
	0.926	3.7	0.766	2.7	0.666	1.7
	0.906	3.6	0.756	2.6	0.656	1.6
	0.886	3.5	0.746	2.5	0.646	1.5
	0.866	3.4	0.736	2.4	0.636	1.4
	0.846	3.3	0.726	2.3	0.626	1.3
	0.826	3.2	0.716	2.2	0.616	1.2
	0.806	3.1	0.706	2.1	0.606	1.1
					0.596	1.0

Class Schedule Link:

<https://drive.google.com/file/d/1NabMiaJ2smHSnxF6PFvOmo78arQdsMlv/view?usp=sharing>