

3140 Waialae Avenue Honolulu, Hawai'i 96816-1578



1. FACULTY CONTACT INFORMATION

We love to study and leaning together.

BU 104 Technology Certification Lab

Pearson portal myLab IT, **ID = brownlow62366**Course Home Page on CANVAS https://chaminade.instructure.com/courses/43921

Class Schedule:

Dates: August 15, 2025 – May 12, 2025

Department Name: School of Business (SOB)

Course Credits: Three (3)

Class Meetings: M W F @1:30 PM - 02: 20 PM

Location: SULV201

Instructor: Maria Brownlow, Ph.D.

Management Science, Management Information Systems (MIS), Business Analytics/Informatics, OYMBA Strategic

Decision-Making Capstone

Contact Info: 808-739-8337 (office)

CUH email: maria.brownlow@chaminade.edu

Division Phone #: 808-739-8369

CHAMINADE UNIVERSITY MISSION STATEMENT

Chaminade University offers its students an education in a collaborative learning environment that prepares them for life, service, and successful careers. Guided by its Catholic, Marianist and liberal arts educational traditions, Chaminade encourages the development of moral character, personal competencies, and a commitment to build a just and peaceful society. The university offers both the civic and church communities of the Pacific region its academic and intellectual resources in the pursuit of common aims.

DARE TO LEARN. DARE TO CHANGE.

"The future is no longer stable; it has become a moving target. No single "right" projection can be deducted from past behavior. The better approach, I believe, is to accept uncertainty, try to understand it, and make it part of our reasoning. Uncertainty today is not just occasional, temporary deviation from a reasonable predictability; it is a basic structural feature of the business environment."

SOURCE: Farsighted, How We Make the Decisions That Matter the Most by Steven Johnson. New York Times bestseller.

2. COURSE INTRODUCTION AND OVERVIEW

University Catalog: https://catalog.chaminade.edu/course/business

BU-104 Technology Certification Lab (3)

The Technology Certification Lab is designed to provide students with practical, hands-on experience with essential business technologies used across modern industries. This course focuses on building digital fluency through guided lab activities, real-world application, and professional certifications. Students will work toward being career ready by earning industry-recognized credentials, such as the Microsoft Excel Professional Certification **. The course emphasizes hands-on practice, skill-building workshops, and exam preparation sessions designed to equip students with career-advancing technical certifications early in their academic journey. Al fundamentals, prompting essentials, and data analytics are also discussed in this course. Upon completion, students will have developed foundational business tech skills and achieved certifications that enhance their competitiveness for internships and entry-level business roles. Key technologies students will work with include: Microsoft Excel (business functions and formulas, PivotTables, and basics of data modeling) and Google Al Learning Platforms. (A \$200 fee for MS Excel 365 Desktop Subscription and MS Excel Certification is required for this course/lab.)

Prerequisites: Basic computer literacy recommended.

"The Exploring Series of the textbook and You"

This course is based on the Pearson *Exploring Series* which keeps students at the forefront of project and content creation by focusing on the skills, functionality, and concepts of Microsoft 365 that are needed to succeed in a cloud-based world. Students are challenged to think "beyond the point and click" and to learn to adapt as productivity tools and apps continually update and change.

Active learning occurs in context. Each chapter introduces a *realistic business case for students to complete via hands-on* steps. Each step teaches a skill and comes complete with video, interactive, and live auto-graded support with automatic feedback.

Coursework is relevant to students and their future careers. Real World Advice, Real World Interview Videos, and Real-World Success Stories are woven throughout the text and in the student resources.

Outcomes matter, whether it is getting a good grade in this course, learning how to use Excel to be successful in other courses, or learning business skills that will support success in a future job, *every student has an outcome in mind*. A Business Unit opener focuses on the outcome's students would achieve by working through the cases and content of each chapter.

No matter what career students may choose to pursue in life, this series will give them the foundation to succeed. Moreover, as they learn these valuable problem-solving and decision-making

skills while becoming proficient in using Excel as a tool, students will achieve their intended outcomes, making a positive impact on their lives.

MyLab IT is an online <u>homework</u>, <u>tutorial</u> and <u>assessment program</u> designed to work with this text to engage students and improve results. Within its structured environment, students practice what they learn, assess their understanding, and pursue a personalized study plan that helps them to absorb course material and understand challenging concepts.

Simulation Activities

The **training simulations** provide practice with the skills learned in the chapter and match the content from the text for consistent reinforcement of learning. The exam simulations test student understanding of the skills covered in the text with a different scenario.

INSTRUCTION	PRACTICE	HOMEWORK	ASSESSMENT
 ✓ Book or e-Text chapter ✓ Lecture on chapter ✓ Audio PowerPoints for chapter ✓ Hands-On Exercise videos for entire 	✓ Chapter Simulation✓ Study Plan✓ End-of chapter questions	✓ Chapter Simulation Training	 ✓ Excel 48 simulation hands-on labs ✓ Chapter Simulation Exams

Quizzes and Chapter Exams

- End of Chapter Quiz Summative Assessment—auto graded, feeds grade to gradebook
- Key Terms Matching Summative Assessment—auto graded, feeds grade to gradebook
- Chapter Simulation Hands-on Quizzes Summative Assessment—auto graded, feeds grade to gradebook
- End of Chapter Simulation Hands-on Exams Summative Assessment—auto graded, feeds grade to gradebook

Student Resources

- e-Text chapter
- Data Files Link
- **PowerPoint** Presentation are used in class for lecture, or assigned to students.
- **Audio PowerPoint Presentation**—an audio version of the standard PowerPoint presentation located in the Multimedia Library.
- Videos:
 - Hands-On Exercise Videos—Instructor-led video of each Objective and Activity showing how students complete the Hands-On Exercises. Includes interactive conceptual questions focusing on WHY students do what they do in the Hands-On Exercises.

2. **Soft Skills Videos**—Real-world scenarios reviewing important soft skills; for example, email etiquette, interview preparation and performance, and ethical situations. Includes discussions questions and sample answers.

Техтвоок:



3. Institutional Learning Outcome

- 1. Written communication
- 2. Oral communication
- 3. Critical thinking
- 4. Information literacy
- 5. Quantitative reasoning

4. Business Administration Program Learning Outcomes (PLOs)

Upon completion of the B.A. undergraduate program in Business Administration, students will be able to:

PLOs #	PLOs Description
PLO1	Communicate effectively regarding business related tasks, in both oral and written
	modes.
PLO2	Select and use the appropriate quantitative tools for decision-making.
PLO3	Undertake analysis, perform tasks, and develop strategies using the central concepts of
	each functional area of business.
PLO4	Assess and create business strategy appropriate for organizations in specified business
	environments, including global and domestic markets.

PLOs #	PLOs Description
PLO5	Discuss the legal obligations of organizations and the ethical dilemmas they face, along
	with appropriate frameworks for addressing these dilemmas.
PLO6	Discuss the distinctive features and challenges of conducting business internationally.
PLO7	Serve as an effective individual contributor to a group process and deliverable.
PLO8	Use business skills to promote service, justice and peace within community organizations

5. Course Learning Outcomes (CLOs)

Students will learn Excel concepts, definitions, and functions, one of the most widely used software in business.

By the end of this course, students will be able to:

- 1. Demonstrate professional-level proficiency in Microsoft Excel for business applications.
- 2. Apply basic principles of artificial intelligence, prompting, and data analytics through Google's professional learning programs.
- Complete industry-recognized certification exams to validate workplace technology skills in MS Excel.
- 4. Build a personal portfolio showcasing the connection of the Microsoft Excel Certification and foundational digital skills in AI to business career pathways.

PLOs – CLOs Alignment Matrix is shown on the next page for easier readability.

The BU-104 Technology Certification Lab prepares students to:

- 1. Obtaining professional-level proficiency in Microsoft Excel
- 2. Gaining foundational digital skills
- 3. Be familiar with basic principles of artificial intelligence
- 4. Using data analytics

Students will engage in hands-on exercises through practical real – world applications. Microsoft Excel Certification prepare students to develop workplace-ready competencies.

The course emphasizes real-world business applications, enabling students to use Excel and AI tools to support decision-making, streamline processes, and showcase their skills through a professional portfolio.

This table clearly illustrate alignment and synergy of our university with business course objectives.

CLOs \ PLOs	PLO 1	PLO 2	PLO 3	PLO 4
CLUS (FLUS	Communicate	Select and use the	Undertake	Assess and create
	effectively	appropriate	analysis, perform	business strategy
	regarding	quantitative tools	tasks, and develop	appropriate for
	business related	for decision-	strategies using	organizations in
	tasks, in both	making.	the central	specified business
	oral and written	making.	concepts of each	environments,
	modes.		functional area of	including global and
	modes.		business.	domestic markets.
CLO 1.		Х	X	X
Demonstrate		^	^	^
professional-				
level proficiency				
in Microsoft				
Excel for				
business				
applications.				
CLO 2.		X	X	X
Apply basic				
principles of				
artificial				
intelligence,				
prompting, and				
data analytics				
through Google's				
professional				
learning				
programs.				
CLO 3		X		X
Complete				
industry-				
recognized				
certification				
exams to validate				
workplace				
technology skills				
in MS Excel.				
CLO 4	Х	Х		Х
Develop				
professional				
portfolio				

Signature assignments:

Technology Certification and Career Pathway Portfolio. Students will compile and submit a portfolio that includes:

- a) Microsoft Office Specialist in Excel Certification.
- b) Reflective analysis on how each technology applies in business settings and how they can be used to address business challenges (provide examples in folders).
- c) A business project that incorporates learned Excel and data analytics skills

5. MARIANIST VALUES

"An education in the *Marianist Tradition* in marked by five principles and you should take every opportunity possible to reflect upon the role of these characteristics in your education and development Characteristics of Marianist Universities: Chaminade University of Honolulu, St. Mary's University, University of Dayton, A Resource Paper, published in 1999, Republished in 2006"

1. Educate for formation in faith.

"As higher educational institutions, Marianist universities have kept, along with education in the disciplines, a commitment to the development of the whole person, which includes the dimension of religious faith and its personal appropriation and practice."

2. Provide an integral quality education.

"In the Marianist approach to education, "excellence" includes the whole person, not just the technician or rhetorician. It also includes people with their curricular and extra-curricular experiences, their intellectual and spiritual development, understood and supported best in and through community."

Educate in family spirit.

"Marianist educational experience fosters the development of a community characterized by a sense of family spirit that accepts each person with loving respect and draws everyone in the university into the challenge of building community. Community support for scholarship, friendship among faculty, staff and students, and participation in university governance characterize the Marianist University."

4. Educate for service, justice, and peace.

"The Marianist approach to higher education is deeply committed to the common good. The intellectual life itself is undertaken as a form of service in the interest of justice and peace, and the university curriculum is designed to connect the classroom with the wider world. In addition, Marianist universities extend a special concern for the poor and marginalized and promote the dignity, rights, and responsibilities of all peoples."

5. Educate for adaptation and change.

"In the midst of rapid social and technological change, Marianist universities readily adapt and change their methods and structures so that the wisdom of their educational philosophy and spirituality may be transmitted even more fully."

6. NATIVE HAWAIIAN VALUES

Education is an integral value in both Marianist and Native Hawaiian culture. Both recognize the transformative effect of a well-rounded, value-centered education on society, particularly in seeking justice for the marginalized, the forgotten, and the oppressed, always with an eye toward God (Ke Akua). This is reflected in the 'Olelo No'eau (Hawaiian proverbs) and Marianist core beliefs:

- 1. **Educate for Formation in Faith (Mana)** E ola au i ke akua ('Ōlelo No'eau 364) May I live by God.
- 2. **Provide an Integral, Quality Education (Na'auao)** Lawe i ka ma'alea a kū'ono'ono ('Ōlelo No'eau 1957) Acquire skills and make it deep.
- 3. **Educate in Family Spirit ('Ohana)** 'Ike aku, 'ike mai, kōkua aku kōkua mai; pela iho la ka nohana 'ohana ('Ōlelo No'eau 1200) Recognize others, be recognized, help others, be helped; such is a family relationship.
- 4. **Educate for Service, Justice, and Peace (Aloha)** Ka lama kū o ka no'eau ('Ōlelo No'eau 1430) Education is the standing torch of wisdom and using it has no boundaries.
- 5. **Educate for Adaptation and Change (Aina)** 'A'ohe pau ka 'ike i ka hālau ho'okahi ('Ōlelo No'eau 203) All knowledge is not taught in the same school.

	CLO1 Demonstrate	CLO2 Apply	CLO3 Certification	CLO4 Build
Marianist Values	2	5	5	4
Native Hawaiian Values	2	1	5	4
Program Learning Outcomes (PLOs) ¹	1	2	7	7

¹ https://chaminade.edu/business-and-communication/business-administration/

7. ASSESSMENT AND GRADING

GRADING

Grading will be based on the following table:

GRADING YOUR ACCOMPLISHMENTS:	GRADE SCALE:
Homework assignments	A = 90% - 100%
Quizzes & Exams	B = 80% – 89%
Microsoft Office Specialist (MOS) in Excel	C = 70% – 79%
Staying on schedule with assignments and class	D = 60% - 69%
participation → Priceless	F* = 50% – 99%
	IF*= Incomplete F gives student 30-day to work on missing assignments. Needs a strong justification. Individually decided by instructor, Program Director, and Dean. Student must initiate a request to the course faculty for the incomplete assignment via email.

Letter grades are given in all courses except those conducted on a credit/no credit basis. Grades are calculated from the student's assignments, class participation, quizzes, tests, term papers, reports, and exams. They are interpreted as follows:

Α	Outstanding scholarship and an unusual degree of intellectual initiative.
В	Superior work done in a consistent and intellectual manner.
С	Average grade indicating a competent grasp of subject matter.
D	Inferior work of the lowest passing grade, not satisfactory for fulfillment of
	prerequisite course work.
F*	Failed to grasp the minimum subject matter, no credit given.
W	Withdrawal before published deadline.
*	The issuance of an "I" grade is not automatic. At the discretion of the faculty
	member, a grade of "I" may be assigned to a student who completed a few
	assignments, but unable finished the homework due to unforeseen circumstances.
IP	In progress, primarily used for thesis completion or practicum completion.
AU	Audit.

Learning is never ending process. We learn every day by observing, solving problems, making mistakes and try not to repeat them. Student responsibility is discovering your own style of learning. Educators' responsibility is to crate learning environment that student flourish.

What students need to know about my pedagogy, how to succeed in such environment?

- 1. Maintain open an honest communication.
- 2. You have a question, just ask me, or send me email to maria.brownlow@chaminade.edu
- 3. This IT course resides on the Pearson myLab IT portal specifically developed for the textbook.
- 4. You grade yourself by submitting assignments into myLab IT.
- 5. If you obtained a grade that you did not expect and you want to review incorrect answers and re-do them, you are welcome to do this within next two weeks. *Practice labs is learning.*
- 6. I do not deduct points, however unexcused absentees will effect student final grade.
- 7. Exams are scheduled during the semester when a section of the logical material is completed.
- 8. Exams cannot be repeated and must be completed within assigned dates. If unusual circumstances had occurred, and you notify me before the date of the exam, exam will be rescheduled. Each request to re-do exam will be considered individually.

9. ACADEMIC HONESTY AND TITLE IX COMPLIANCE

Academic honesty is an essential aspect of all learning, scholarship, and research. It is one of the values regarded most highly by academic communities throughout the world. Violations of the principle of academic honesty are extremely serious and will not be tolerated.

Students are responsible for promoting academic honesty at Chaminade by not participating in any act of dishonesty and by reporting any incidence of academic dishonesty to an instructor or to a University official. Academic dishonesty may include theft of records or examinations, alteration of grades, and plagiarism, in addition to more obvious dishonesty.

Questions of academic dishonesty in a particular class are first reviewed by the instructor, who must make a report with recommendations to the Dean of the Academic Division. Punishment for academic dishonesty will be determined by the instructor and the Dean of Academic Division and may include an "F" grade for the work in question, an "F" grade for the course, suspension or dismissal from the University.

For the most up to date information, please refer to the Academic Honesty Policy https://catalog.chaminade.edu/generalinformation/academicaffairs/policies/academichonestyon the Chaminade University Catalog website.

Title IX and Nondiscrimination Statement

Chaminade University of Honolulu is committed to providing a learning, working and living environment that promotes the dignity of all people, inclusivity and mutual respect and is free of all forms of sex discrimination and gender-based violence, including sexual assault, sexual harassment, gender-based harassment, domestic violence, dating violence, and stalking. As a member of the University faculty, I am required to immediately report any incident of sex discrimination or gender-based violence to the campus Title IX Coordinator.

Nondiscrimination Policy & Notice of Nondiscrimination

Chaminade University of Honolulu does not discriminate on the basis of sex and prohibits sex discrimination in any education program or activity that it operates, as required by Title IX and its regulations, including in admission and employment. Inquiries about Title IX may be referred to the University's Title IX Coordinator, the U.S. Department of Education's Office for Civil Rights, or both and contact information may be found at the Chaminade University Title IX Office Contact Information and Confidential Resources website

https://chaminade.edu/compliance/contact-information/.

On-campus Confidential Resources may also be found here at CAMPUS CONFIDENTIAL RESOURCES https://chaminade.edu/compliance/contact-information/

The University's Nondiscrimination Policy and Grievance Procedures can be located on the University webpage at:

https://chaminade.edu/compliance/title-ix-nondiscrimination-policies-procedures/.

To report information about conduct that may constitute sex discrimination or make a complaint of sex discrimination under Title IX, please refer to the Campus Incident Report form https://cm.maxient.com/reportingform.php?ChaminadeUniv&layout_id=0.

Chaminade University of Honolulu prohibits sex discrimination in any education program or activity that it operates. The NOTICE of NONDISCRIMINATION can be found here: Notice of Non-discrimination https://chaminade.edu/compliance/title-ix-nondiscrimination-policy/

Student with Disabilities Statement

Chaminade University of Honolulu offers accommodations for all actively enrolled students with disabilities in compliance with Section 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act (ADA) of 1990, and the ADA Amendments Act (2008).

Students are responsible for contacting Kokua Ike: Center for Student Learning to schedule an appointment. Verification of their disability will be requested through appropriate documentation and once received it will take up to approximately 2–3 weeks to review them. Appropriate paperwork will be completed by the student before notification will be sent out to their instructors. Accommodation paperwork will not be automatically sent out to instructors each semester, as the student is responsible to notify Kokua Ike via email at ada@chaminade.edu each semester if changes or notifications are needed.

10. CREDIT HOUR POLICY

The unit of semester credit is defined as university-level credit that is awarded for the completion of coursework. One credit hour reflects the amount of work represented in the intended learning outcomes and verified by evidence of student achievement for those learning outcomes. Each credit hour earned at Chaminade University should result in a minimum of 45 hours of engagement,

regardless of varying credits, duration, modality, or degree level. This equates to one hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately fifteen weeks for one semester. Terms that have alternative lengths, such as 15-weeks terms, should have an equivalent amount of faculty instruction and out-of-class student work to meet each credit hour. Direct instructor engagement and out-of-class work result in total student engagement time of 45 hours for one credit. The number of engagement hours may be higher, as needed to meet specific learning outcomes.

Specific Credit Situations

The minimum 45 hours of engagement per credit hour can be satisfied in fully online, internship, or other specialized courses through several means, including:

- a) Regular online instruction or interaction with the faculty member and fellow students and
- b) Academic engagement through extensive reading, research, online discussion, online quizzes or exams; instruction, collaborative group work, internships, laboratory work, practice, studio work, and preparation of papers, presentations, or other forms of assessment.

This policy is in accordance with federal regulations and regional accrediting agencies.

The paragraph will outline how students will meet the required hours of engagement in the course through regular instruction and academic engagement. The amount of time students will spend in a course consist three components:

- 1. Seat time (this is the amount of time students are physically in the classroom)
- 2. Time spent on key assessments including study time (e.g., projects, essays, mid-terms, finals)
- 3. Additional time each week (e.g., reading, studying, homework)

Assuming a three-credit hour course requires key assessments, 4 Excel and 4 Access, the time calculation would be as follows:

- Seat Time:
 - o 50 minutes MWF = 150 min weekly x 15 weeks = 2,250 minutes or **37.5 hours**
- Time Spent on Key Assessments:
 - Homework labs catching up with the past due assignments for grade improvement is 3-times per week X 1 hrs. of study X 15 weeks = 45 hours
 - Exams = 8 exams scheduled over the semester period X 3 hrs. studying = 24 hours
 - Additional time per semester participating in community projects/initiatives as assigned (reading, researching, compiling data) = 10 hours
- Sub-Total = 45 hrs. + 24 hrs. + 10 hrs. = 79 hours (seat time + key assessments)
- Total required engagement 135 hours 79 hours 37.5 hours = 18.5 hours remaining to fill as contingency

 The 18 hrs. divided by 15 weeks = 1.3 hours of additional time each week (reading, studying, working on homework, volunteering community projects)

This is a three-credit hour course requiring 135 clock hours of student engagement, per the official CUH Credit Hour Policy. Students enrolled in this course anticipated to spend 37.5 hours in class, 45 hours on past due assignments and grades improvements, 24 studying for 8 exams and additional 10 hours on community service projects. There will be an additional 18 hours of work required beyond what is listed here (course readings, homework assignments, etc.), averaging 1.3 hours each week.

11. COURSE POLICIES

Undergraduate Catalog, 2024-2025 Academic Year https://catalog.chaminade.edu/

Late Work Policy

There are about 79 (Excel 41, Access DB 38) lab assignments. Students must stay on schedule. Students cannot be behind schedule more than one week, otherwise they have to come to office hours and complete missing assignments. Students must inform instructor on circumstances beyond students control for being late with assignments or absent.

Writing Policy

In writing papers, use MLA or APA writing recommendations (preferred MS Word, Calibri #12).

Instructor and Student Communication

Questions for this course can be emailed to the instructor at maria.brownlow@chaminade.edu, inperson, and phone conferences can be arranged. Response time to emails will take place up to 24 hours. Office hours are MWF noon – 01:00 PM in Kieffer room #28.

Email Guidelines:

- Use your Chaminade email account for communication. CANVAS email is a proprietary, internal to CANVAS, and cannot be save in Gmail and MS OUTLOOK.
- Always include a subject line. Always include your course ID, for example, CIS-103-01-1.
- Remember without facial expressions some comments may be taken the wrong way. Be careful in wording your emails. Use of emoticons might be helpful in some cases.
- Special formatting such as centering, audio messages, tables, html, etc. should be avoided unless necessary to complete an assignment or other communication.

Cell phones, tablets, and laptops

Out of consideration for your classmates, please set your cell phone to silent mode during class. Students are encouraged to bring laptops or tablets to class as the instructor will assign online activities and readings that will require the use of a laptop or tablet. Laptops and tablets should not

be misused, such as checking distracting websites. Use your best judgment and respect your classmates and instructor.

12. CHAMINADE UNIVERSITY POLICIES

See https://catalog.chaminade.edu/ for more detailed information about Chaminade University Policies.



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Some of the CUH Policies are noted below.

Student Code of Conduct (page 15).

Student Sexual Harassment, Sexual Misconduct, & Anti-Relations Policies & Procedures Under Title IX for Faculty, Staff, Students, and Third Parties (page 24).

ADA Accommodations (page 66).

Drug free Workplace & Campus (page 68).

Library:

Provide a link to the Chaminade library, www.chaminade.edu/library

Technical Support:

CANVAS Technical Support is 1-877-251-6615

Technical Assistance for Canvas Users:
Search for help on specific topics at help.instructure.com
Chat lives with Canvas Support 24/7/365

Watch this <u>video to get you started</u> with online guides and tutorials.

Contact the Chaminade IT Helpdesk for technical issues: helpdesk@chaminade.edu or call 808-735-4855

24-Hour Chaminade University Campus Security (808) 735-4792

Emergency Info Hotline (808) 739-7499 (833) 739-7499 Emergency Assistance → Dial 911