



Syllabus: **CAG 122 Casino Gaming: Theory and Practice.**

Course Information

Course Prefix/Number: CAG 122 Semester: Spring 2019 Class Days/Times: OnLine	Credit Hours: 3 Course Title: Casino Gaming: Theory and Practice
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Instructor Information: Name: Jorge Guarin	Phone/Voice Mail: (520) 383-0101 E-mail: jguarin@tocc.edu Office location: Education Building, Room 104. Office Hours: Tuesday & Thursday 1:45 PM to 3:30 PM.
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Course Description:

This course introduces casino games that prepare students to engage constructively and knowledgeably with staff and customers in the gaming environment. Subjects covered include the basic mechanics of gaming, technology of table games and slots, basics of dealing, consumer behavior, role of analysis in gaming, and security procedures related to major casino games. This course contains modules on casino math that provide a basic understanding of the basis for the profitability of gaming, i.e., the house advantage. The overall emphasis is not on training students to operate games, but rather to educate them about what happens in a casino, why it happens, and about how to deal with situations that fall outside the norms of responsible casino gaming.

Course Objectives:

During this course students will

1. Analyze the multifaceted definition of a casino
2. Correlate the role of games in a casino
3. Discover the importance of probability to casino gaming
4. Realize the central importance of controls in the casino gaming industry
5. Notice the importance of house advantage to how casinos make money
6. Gain a broad understanding of how this course is organized according to various casino gaming methods.

Student Learning Outcomes (SLOs) :

After completion of the course students will be able to

- Analyze and solve any situation that arises from a daily casino activity..
- Create a Final Project involving any topic studied in class.
- Research advanced topics related to the future of casino gaming.

Himdag Cultural Component:

Mathematics faculty's interpretation of what Nahban said in the "Desert Smells Like Rain" is this: While the Himdag discourages direct, exact answers, in the mathematical world, my students are expected to be able to come up with a precise answer for the situation. As a community college closely associated with the Tohono O'odham Nation, TOCC encourages growth of students' cultural knowledge and my class takes steps to transmit learning mathematics in a way that respects the Tohono O'odham Himdag.

Texts and Materials:

Required Text: Casino Gaming Methods: Games, Probabilities, and Controls, by David C. Williams and Kathryn Hashimoto. ISBN-13: 978-0-13-222897-8..



All class materials are available at Canvas.

Evaluation and Grading & Assignments:**Attendance:**

The attendance policy for this class is simple. "You are expected to arrive to class on time and be prepared to participate in each class period. Four unexcused absences may result in withdrawal and a "W" or "Y" will be recorded. You may Request to be excused from class for religious Observances and practices, for illness, for school or work-related Travel or for personal or family emergency. If you will be absent or have been absent, please notify the instructor as soon as possible (approved by Faculty Senate April 2014).

However, you are still responsible for completing work on time. If you are late for class, enter quietly and sit down. You will not be allowed to make up any quiz you miss because of tardiness. In case of a valid emergency, email your instructor using the information given on the first page. After receiving the email, the instructor will decide whether or not can give you an excused absence.

Academic Integrity: Violations of scholastic ethics are considered serious offenses by Tohono O'odham Community College, the Mathematics Department, and by your instructor. Students may consult the TOCC Student Handbook sections on student code of conduct, on scholastic ethics and on the grade appeal procedure.

[a] All homework can be done independently or with other students. The purpose of homework is to develop critical thinking skills and also to develop specific skills related to teaching mathematics by repeated practice of these skills. Without this practice most students find it impossible to perform well in this class. No collaboration is tolerated during exams/in-class exams.

[b] Students are expected to abide by the Student Code of Conduct and the Scholastic Code of Conduct found in the Tohono O'odham Community College Student Handbook. Copies are available at the main student bookstore.

Course Feedback:

Students can find scores in the class at any moment in Canvas. Also, if any student want to talk about class performance, please schedule a meeting during my Office Hours.

Homework Policy:

Homework (Review Questions) has been assigned weekly on the syllabus. After reading a chapter from the textbook every week, students select and answer any 2 questions from the Review Questions at the end of each chapter. Each homework is due the following Monday after assigned. Students must email me the homework with the 2 questions answered. before or on its Monday dateline. Thus, Weekly Homework scores will be posted on the Canvas site every Tuesday.

Withdrawals:

Please be sure to withdraw yourself by **March 29, 2019** if you do not expect to complete the class, otherwise you may receive an "F" grade.

Workload:

Students are expected to spend an average of 18 hours per week attending class sessions, doing assignments and preparing for exams. The standard Carnegie Unit of college credit assigns one credit hour for each 15 hours of class time and assumes that students spend two hours working outside the classroom for each hour of classroom instruction. For a three-credit semester course, this translates to an average of 6 hours spent outside of class weekly for 16 weeks.

Grading System/Policies:

Your final grade will be calculated as follows:			Grading Scale	
Review Questions (28)	300 points	30%	A =	1000 - 900 points
Research Papers (2)	400 points	40%	B =	899 - 800 points
<u>Final Project</u>	<u>300 points</u>	<u>30%</u>	C =	799 - 700 points
Total possible	1,000 points	100%	D =	699 – 600 points
			F =	less than 600 points

Incomplete (I) grade:

To receive an “ I “ grade, you must have finished at least 3/4 of the course requirements and specifically request the grade. Please call before the last week of class to be sure that there is sufficient time to consider your request. An incomplete grade generally implies that a student has shown sufficient initiative to complete the course on his or her own. You will receive a copy of the standard “I” form filed with the grade. This form details specifically what must be done to complete the course. Incomplete Grades that are not corrected by the end of the ninth week of the following semester will automatically change to an F.

Make-up Assignments:

No make-up assignments will be given and no late assignments will be accepted unless the student has made arrangements with the instructor.

Extra Credit Opportunities: Do not ask for extra credit opportunities until you have completed all of the required assignments to date. The instructor will occasionally give extra credit homework, quiz, and exam questions that test critical thinking skills.

Final Grades: Students will receive a grade transcript from the college mailed to the address given with registration materials at the end of the semester when all grades have been recorded. At any time, at the CANVAS site, you are able to see your grade.

SPECIAL NOTE TO STUDENT: For privacy and security reasons, instructors are advised **NOT** to give grades over the telephone.

Course Outline:

The course has 14 chapters (or modules)..

1. Introduction to Casino Gaming Methods
2. Casino Slot Operations
3. Slot Performance
4. Table Games Department
5. Table Games Performance and Analysis
6. Casino Mathematics
7. Bingo and Keno: Beginnings, Basics, and Beyond
8. Roulette—The Little Wheel
9. Blackjack
10. Poker—The Quintessential American Game
11. Baccarat
12. Craps
13. Security and Surveillance
14. Drawing the Royal, Making the Point, or the Last Hand: The Conclusion

DISCLAIMER: This syllabus is designed to evolve and change throughout the semester based on class progress and interests. You will be notified of any changes as they occur.

Class Schedule

Week	Dates	Read Chapter	Hw Due	Material
1	Jan 14 - 20	Class Overview		
2	Jan 21 - 27	Chapter 1	Page 10	Any 2 Review Questions
3	Jan 28 - Feb 3	Chapter 2	Page 23	Any 2 Review Questions
4	Feb 4 - 10	Chapter 3	Page 34	Any 2 Review Questions
5	Feb 11 - 17	Chapter 4	Page 47	Any 2 Review Questions
	Feb 18			Proposal Research 1 due
6	Feb 18 - 24	Chapter 5	Page 59	Any 2 Review Questions
7	Feb 25 - Mar 3	Chapter 6	Page 73	Any 2 Review Questions
	March 4, 2019			Research Paper 1 due
8	Mar 4 - Mar 10	Chapter 7	Page 87	Any 2 Review Questions
9	Mar 11 - Mar 17	Chapter 8	Page 101	Any 2 Review Questions
10	Mar 18 - Mar 24	Spring Break		No Class
11	Mar 25 - Mar 31	Chapter 9	Page 115	Any 2 Review Questions
	April 1, 2019			Proposal Research 2 due
12	Apr 1 - Apr 7	Chapter 10	Page 127	Any 2 Review Questions
13	Apr 8 - Apr 14	Chapter 11	Page 138	Any 2 Review Questions
	April 15, 2019			Research Paper 2 due
14	Apr 15 - Apr 21	Chapter 12	Page 150	Any 2 Review Questions
15	Apr 22 - Apr 28	Chapter 13	Page 163	Any 2 Review Questions
16	May 6 - 10	Chapter 14	Page 173	Any 2 Review Questions
	May 10, 2019			Final Project Due

Acknowledgment of Receipt of Syllabus

Date: January 15, 2019

Please read, sign and return the following acknowledgment to me in class, *or* return to me at the following address:

Jorge Guarin
Tohono O'odham Community College
P.O. Box 3129
Sells, AZ 85634

- I have received my CAG 122 syllabus (including course objectives, policies, requirements and schedule) and have read and understood all the enclosed materials
- I have no objection to receiving an occasional call from the instructor at the number given with my registration materials.
- I prefer that the instructor not call or contact me by phone anytime during the semester.

My reason(s) for taking this course:

My background in this area includes:

I would like to be contacted by the instructor regarding the following concerns:

Print Name Clearly Here

Sign Name Here

Student ID Number

Telephone Number

Current Mailing Address/City/State/Zip

E-mail Address