

**Introduction to Combinatorics I**  
**MAD 4203**  
Fall 2023

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Office Hours: TBD

Lecture: Period 7, 1:55 - 2:45 MWF  
CHEM 316

**Text** *A Walk Through Combinatorics* by Miklos Bona.

**Course Objectives** We will cover topics related to permutations and combinations, binomial coefficients, inclusion-exclusion, recurrence relations, Fibonacci sequences, generating functions and graph theory.

**Homework** We will have roughly weekly homework.

**Quizzes** We will have roughly weekly quizzes, intended to take about 15 minutes each.

**Exams** There will be three exams. The exams will have both in class and take-home components. Because this course is the first part of a sequence, there will be no final exam.

**Grading** Grades will be allocated according to the following key:

**Without Project**

Homework	40%
Exams	40%
Quizzes	20%

The final grades will be curved, but will be no tougher than the 10-point scale: 90%-100% will be some form of A, 80-90% will be at least some form of B, etc. After each exam, you will receive a projected grade.

If you have a disagreement with the grading of one of your solutions, I ask that you submit a written request for reconsideration within one week of receiving the graded assignment.

Grades will adhere to the UF policy stated at <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>.

**Honor code** UF students are bound by The Honor Pledge which states, We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: On my honor, I have neither given nor received unauthorized aid in doing this assignment. The Honor Code specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor.

<b>Attendance</b>	Attendance will not be monitored. Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found at: <a href="https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx">https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx</a> .
<b>Accommodations for students with disabilities</b>	Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, <a href="https://www.dso.ufl.edu/drc/">https://www.dso.ufl.edu/drc/</a> ) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.
<b>Online Evaluations</b>	Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <a href="https://evaluations.ufl.edu">https://evaluations.ufl.edu</a> . Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <a href="https://evaluations.ufl.edu/results/">https://evaluations.ufl.edu/results/</a> .
<b>Students with Learning Disabilities</b>	Students requesting class and exam accommodations must first register with the Dean of Students Office Disability Resource Center (DRC), <a href="http://www.dso.ufl.edu/drc/">www.dso.ufl.edu/drc/</a> . That office will provide a documentation letter via email to your instructor. This must be done as early as possible in the semester, <b>at least one week before the first exam</b> , so there is adequate time to make proper accommodations.
<b>Complaints</b>	The official UF policy for filing a complaint about the course may be found at <a href="https://www.dso.ufl.edu/documents/UF_Complaints_policy.pdf">https://www.dso.ufl.edu/documents/UF_Complaints_policy.pdf</a> .
<b>Health and wellness</b>	<p>U Matter, We Care: If you or someone you know is in distress, please contact <a href="mailto:umatter@ufl.edu">umatter@ufl.edu</a>, 352-392-1575, or visit U Matter, We Care website: <a href="https://umatter.ufl.edu/">https://umatter.ufl.edu/</a> to refer or report a concern and a team member will reach out to the student in distress.</p> <p>Counseling and Wellness Center: Visit the Counseling and Wellness Center website at <a href="https://counseling.ufl.edu/">https://counseling.ufl.edu/</a> or call 352-392-1575 for information on crisis services as well as non-crisis services.</p> <p>Student Health Care Center: Call 352-392-1161 for 24/7 information to help you find the care you need, or visit the Student Health Care Center website at <a href="https://shcc.ufl.edu/">https://shcc.ufl.edu/</a>.</p> <p>University Police Department: Visit UF Police Department website at <a href="https://police.ufl.edu/">https://police.ufl.edu/</a> or call 352-392-1111 (or 9-1-1 for emergencies).</p>