

MSU Denver

CS 1030 - Syllabus

Instructor: Ivo Georgiev, PhD

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Time: MW, 10:00-11:50

Duration: 16 weeks (including Finals Week)

Location: Central classroom Room 101 (CN-101)

Office hours: TBD

Catalog description ([catalog entry](#)): This course provides fundamentals needed to effectively cope with, understand, and be successful in a world with pervasive computing. The coursework explores impacts of computing (from social, ethical, economic, technical, legal, philosophical, and cognitive perspectives) and the related aspects of creativity, innovation, problem solving, critical thinking, collaborative teamwork, and multi-modal communication. Students participate in active-learning experiences and create materials using iterative processes similar to those used by artists, musicians, and engineers.

Required reading ([book page](#)): H.Walker, “The Tao of Computing”, 2nd ed, CRC Press

Required materials: <https://github.com/ivogeorg/cs1030>

Recommended materials:

1. ([edX MOOC page](#)) The Beauty and Joy of Computing (FREE)
2. ([Coursera MOOC page](#)) Learning How to Learn (FREE)

Grading weights:

1. 50% Online assignments (5 or 6)
2. 25% Online exams (Midterm and Final)
3. 15% Online quizzes (15 or 16)
4. 10% Attendance and participation

Grading scale:

Letter grade	Low %	High %
A+	97	100
A	94	96
A-	90	93
B+	87	89
B	84	86
B-	80	83
C+	77	79
C	74	76
C-	70	73
D+	67	69
D	64	66
D-	60	63
F	0	59