Catalog Description

- Introduces digital systems, circuits, and computers. Topics include binary systems and codes, digital logic gates and circuits, microelectronics and integrated circuits, coding and multiplexing, multivibrators, shift registers, counters, A/D converters, and elementary computer architecture.
- Prerequisite(s): Grade of C or better in MATH 125 or MATH 112.
- Notes: Not intended for those majoring in electrical or computer engineering.
- Hours of Lecture or Seminar per week: 3 Hours of Lab or Studio per week: 2

Instructor

- Home page of Prof. K. J. Hintz with office room number, office hours, and contact information.

Lecture (Spring 2017)

- ECE 301, Section 001
- Tuesday and Thursday, 1330-1445
- January 23 through May 17, 2017

Lecture Location

- Innovation Hall, Rm 105

Lecture/Homework Teaching Assistant

- Name: Sunil Kumar Rajendran
- Temporary location for Office Hours: Engr 3204
- Office hours: Tuesday and Thursday from 1600-1800
- email: srajend2@masonlive.gmu.edu

Course Credit

- 3 hours

Office of Disability Services

- If you are a student with a disability and you need academic accommodations, please see me and contact the Office of Disability Services (ODS) at 703.993.2474.
- All academic accommodations must be arranged through the ODS. http://ods.gmu.edu

Honor Code

- You are encouraged to collaborate with other students on homework and studying for the examinations.
- The normal honor code applies to all examinations.
- Any violation of the Honor Code will be vigorously pursued.
- GMU is an Honor Code university; please see the University Catalog for a full description of the code and the honor committee process.
Examinations

- Makeup exams are rarely given, and then, only at the sole discretion of the instructor.
- Requests for a delayed Final Exam due to multiple tests (>2) in one day will ONLY be considered if proper forms are completed and in my hands prior to the mid-semester break.
- All exams will be closed book, closed notes, and no electronic devices.
- Students who are more than 15 minutes late for an exam may not be admitted and may be assigned a grade of zero for the exam.

Grading

- The course cumulative grade is on a strict numerical basis based on the weighted sum of the following:
  - 20%: First Exam
  - 20%: Second Exam
  - 20%: Final Exam
  - 20%: Homework
  - 5%: In-class quizzes
  - 15% Labs (all labs must be satisfactorily completed to receive a passing course grade)
- At the sole discretion of the instructor, +/- grades may be assigned within these ranges.
  - A: 90-100
  - B: 80-90
  - C: 70-80
  - F: < 70
- Numerical grades are not rounded.

Attendance at lectures is expected and random in-class quizzes will be given and graded.

Homework

- Homeworks are due by midnight on the day specified on Mason BlackBoard.
- There will be no late homeworks.
- Homeworks will be uploaded through the Mason Blackboard.

GMU Email Account

- Students must use their Mason email accounts—either the existing “MEMO” system or a new “MASTONLIVE” account to receive important University information, including messages related to this class.
- See http://masonlive.gmu.edu for more information.

Classroom Etiquette

- Cellphones will be turned off during class. If you have an emergency and need to have a cellphone on, speak to me before class and sit near the door.
- Electronic devices (e.g., laptops, or texting devices) are discouraged in class.
- Lectures may not be recorded in any form without the express written permission from the instructor.
Required text

- Stephen Brown and Zvonko Vranesic
- Textbook on reserve: The textbook is listed under the course number in the reserves catalog with the call number TK7888.4 .B76 2009

University Policies

- The University Catalog, [http://catalog.gmu.edu](http://catalog.gmu.edu), is the central resource for university policies affecting student, faculty, and staff conduct in university academic affairs. Other policies are available at [http://universitypolicy.gmu.edu/](http://universitypolicy.gmu.edu/).
- All members of the university community are responsible for knowing and following established policies.