CIS 705 — Programming Languages
Spring 2010

Instructor	Alley Stoughton
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E-mail	Alley.Stoughton@gmail.com
Personal Website	people.cis.ksu.edu/~stough/
Course Website	people.cis.ksu.edu/~stough/705/
Lectures	TU 2:30–3:45 p.m. N122
Office Hours	TU 4:00–5:00 p.m. N214

1: Communication by E-mail and Course Website

I will often communicate with the class by e-mail, and so it is important that you read your e-mail frequently. I will make various resources (including this document) available on the course website.

2: Office Hours

If you wish to talk with me outside of my scheduled office hours, you can either make an appointment in advance or try dropping by my office to see if I'm in and available.

3: Prerequisites

The prerequisites for the course are experience programming in procedural (e.g., C or Pascal) and object-oriented (e.g., Java or C++) languages, as well as the mathematical maturity that could come from an undergraduate course in discrete mathematics.

4: Objectives

This course will be a graduate-level introduction to programming languages, focusing on the theory and practice of type systems, operational semantics and functional programming.

5: Textbooks and Class Preparation

We will work our way through as much as possible of *Types and Programming Languages* (*TAPL*), by Benjamin C. Pierce. We'll also be using parts of the online book *Developing Applications With Objective Caml* (*DAWOC*), by Emmanuel Chailloux, Pascal Manoury and Bruno Pagano.

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I will expect students to prepare for class sessions by doing assigned reading. Reading assignments will be announced in class or by e-mail, and posted on the website.

6: Resources

The course website contains a pointer to the *TAPL* website, which
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OCaml is already installed on the CIS Linux system, and you can install it on PCs running Windows or Linux and on Mac OS X. The course website contains a pointer to OCaml resources, including instructions for installing OCaml.

7: Assignments and Final Examination

There will six assignments, making up 72% (12% per assignment) of the course grade, plus a final examination (on Tuesday, May 11, from 9:40–11:30), making up the remaining 28% of the course grade.

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The work that you hand in must be your own. You may discuss assignments with others, but you may not base your work on other people's work. The final exam will be closed book, closed notes, closed computers.

8: Grading

Each assessment unit will be graded using the following 100 point scale: A+ (100), A (92), A− (84), B+ (76), B (68), B− (60), C+ (52), C (44), C− (36), D+ (28), D (20), D− (12), F (0). (E.g., a grade of 80 points should be thought of as being halfway between a B+ and an A−.)

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Late work will be assessed a penalty of 25% during the first twenty-four hours. Work that is more than twenty-four hours late will not be graded.

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Your letter grade for the course will be computed as follows: if your overall numerical grade is at least 80, then you will receive an A; otherwise, if it is at least 56, then you will receive a B; otherwise, if it is at least 32, then you will receive a C; otherwise, if it is at least 10, then you will receive a D; otherwise, you will receive an F.

9: Statement Regarding Academic Honesty

Kansas State University has an Honor System based on personal integrity, which is presumed to be sufficient assurance in academic matters one's work is performed honestly and without unauthorized assistance. Undergraduate and graduate students, by registration, acknowledge the jurisdiction of the Honor System. The policies and procedures of the Honor System apply to all full and part-time students enrolled in undergraduate and graduate courses on-campus, off-campus, and via distance learning. The honor system website can be reach via the following URL: `www.k-state.edu/honor`.

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A component vital to the Honor System is the inclusion of the Honor Pledge which applies to all assignments, examinations, or other course work undertaken by students. The Honor Pledge is implied, whether or not it is stated: "On my honor, as a student, I have neither given nor received unauthorized aid on this academic work." A grade of XF can result from a breach of academic honesty. The F indicates failure in the course; the X indicates the reason is an Honor Pledge violation.

10: Academic Accommodations for Students with Disabilities

Any student with a disability that needs a classroom accommodation, access to technology or other assistance in this course should contact Disability Support Services and/or their instructor.

11: Expectations for Classroom Conduct

All student activities in the University, including this course, are governed by the Student Judicial Conduct Code as outlined in the Student Government Association By Laws, Article VI, Section 3, number 2. Students that engage in behavior that disrupts the learning environment may be asked to leave the class.

12: Comments and Suggestions

If you have any comments, complaints, suggestions or questions about the course, please communicate them to me, verbally, by e-mail or in writing.