

COURSE NUMBER: GA 234
COURSE NAME: Programming for the Artist
COURSE LENGTH: 11 weeks
CONTACT HOURS: 44 hours
CLASSROOM #: 217
INSTRUCTOR: KRISHNA M. SADASIVAM

PHONE:
EMAIL: krishna.at.ait@gmail.com
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OFFICE HOURS: Meetings by Appointment
CREDITS: 4
DATE OF SYLLABUS: January 9, 2009

COURSE DESCRIPTION:

This course is an introduction to computer programming from the artist's point of view. It begins with an overall introduction to programming and examines how programming is used as an artist's tool, using examples like multimedia interface button operation, multimedia scripting, and Web page interactivity. After the groundwork is laid in the artistic area, basic foundations of programming and design are presented. Programming language is introduced and several small sample game programs are reviewed and modified.

PREREQUISITES: CS1101 Computer Basics

STUDENT LEARNING OBJECTIVES /COURSE OBJECTIVES:

- Describe the structure of a webpage
- Understand terminology related to website design, including frames, rollovers, tables, image maps and slices
- Sketch the design layout for a website and realize its implementation using HTML and Dreamweaver
- Design websites that are compatible with multiple web browsers
- Use and understand the importance of CSS in website design

STUDENT LEARNING OUTCOMES:

Upon successful completion of the course the student will be able to:

- Describe the structure of a webpage
- Understand terminology related to website design, including frames, rollovers, tables, image maps and slices
- Sketch the design layout for a website and realize its implementation using HTML and Dreamweaver
- Design websites that are compatible with multiple web browsers
- Use and understand the importance of CSS in website design

GRADING OPPORTUNITIES:

Assessment

This is a highly interactive and discussion-oriented course. Students will learn from one another as well as from the instructor, guest lecturers, the text, readings, exercises, presentations weekly assignments and the final project. Professionalism will be put into practice through the students' promptness, class attendance, willingness to create a forum for shared ideas, quality and creativity of work, and the meeting of deadlines. Specifically, grades will be based on the following criteria:

- ***Overall Class Participation:** Class preparedness, participation (includes in-class discussions, note taking, having required supplies, Q&A during lectures, readings and presentations). Positively contributing to class **10%**

- | • **Projects:** 60%
- **Homework / In-class assignments** 10%
- | • **Exams:** 20%
- **Attendance:** Attendance is taken twice throughout class time. It goes without saying being absent from class can have a **substantial** negative effect on your final grade

STUDENT LEARNING ASSESSMENT:

CREATIVITY	25%
SYNTAX & STRUCTURE	25%
AESTHETICS	25%
TECHNICAL SPECS	25%

CLASS ASSIGNMENTS

Homework

Project 1: Three Interesting Things About Me website (HTML coding)

Mid-Term Exam

Project 2: Portfolio Gallery website

Project 3: Personal Portfolio website (Photoshop / Dreamweaver method)

Final Exam

OVERALL CLASS PARTICIPATION 10% of your grade

| **Grading Criteria:** (i.e. thoroughness, neatness, concept, design, execution, professionalism, presentation, craft, cleanliness, following instructions) applies to all presentations and individual assignments. **Handwritten work, no matter how neat you think it is, is not accepted.** This is college and all work must be typed. Submission of handwritten work will not even be considered and will receive an F (0) for that assignment. Don't even try it.

Grading Scale: A= 93-100, A-= 90-92, B+= 87-89, B= 83-86, B-= 80-82, C+= 77-79, C= 73-76, C-= 70-72, D+= 65-69, D= 60-64, F= 0-59

CLASSROOM POLICIES:

Late Work: Since this course is dealing with industry success, all projects will be due on the date assigned and at the beginning of all classes. **Late work will not be accepted. It will be an F/0.** If schedule problems occur, notify the professor before any and all due dates. Putting the "final touches" on your homework/assignments such as stapling, printing out, mounting, cutting or even putting your name on the assignment, etc., prior to the start of class or during break is considered late (therefore an F/0). Regardless of when the work is collected, it should be 100% complete when you walk into class.

| **Attendance:** The Art Institute of Tampa policy requires students to attend a minimum of 82% (36 hours) of scheduled course hours in order to receive a passing grade in a course. Attendance is taken twice throughout the class. If you are just a few minutes late, or walk in when attendance is being taken, it will be marked down as a half (1/2) of absence. *Missing two or more classes (or can result in the failing of this class. I repeat: Missing two or more classes can result in the failing of this class (and your other classes as well).*

Sleeping in Class: Sleeping in class is not permitted and will not be tolerated. **If you are falling, or are a sleep, you will simply be asked to leave the class for the day and will be marked absent for the entire day.**

Email: Check often, relay the information to your classmates. Ultimately you are responsible for checking email and following up with the instructor if you not receiving assignments, notes and correspondence for the class via email. It is CRITICAL you start the semester off fresh by clearing out your student account and adjust your forwarding address if necessary. I will correspond with the class quite often via email. Again, check often, relay the information to your classmates and ultimately you are responsible for checking your email. ****Let's exchange information now****

Plagiarism: Plagiarism will not be tolerated and may lead to immediate expulsion from the class and/or college. Plagiarism includes taking words, ideas, or artwork from anyone else and presenting it as your own or not citing properly in accordance with APA Style Guide.

Food/Beverages: Food and non-sealed beverage containers are NOT permitted in any classroom, lab or studio.

Cell Phones and other electronic devices: Cell phone usage is not permitted in any classroom, lab or studio. All cell phones, beepers, games, two-way radios (Nextel), or any other communication device must be turned off before entering the classroom. Leaving the class to take/make a phone call is not permitted unless it is an absolute medical emergency. If you do, **you will be marked absent** for the entire day. If I see you sending text messages, IMing or playing games or doing anything with any phone or electronic device **you will be told to leave the class for the remainder of the day and you will marked absent** for the entire day. Leaving devices in silent or vibrate mode is not permitted and text messaging during class is not allowed. **In other words, turn all devices completely off and forget you even have them with you for just a few hours. Please take a moment to shut everything off now.**

Add/Drop: The first six (6) academic days (not including Saturdays, Sundays and holidays) of each quarter are designated as the schedule adjustment period. During this time, students may make registration adjustments (adding, dropping, or changing days/times of courses) without financial penalty.

Holidays: This quarter has one holiday, so PLAN AND SCHEDULE AHEAD OF TIME. **Not handing in work or having to leave early for the holiday prior to the end of the quarter are not acceptable excuses.**

Required Text(s):

Head First HTML with CSS & XHTML, Elizabeth Freeman & Eric Freeman. ISBN 0-596-10197-X

Required Supplies:

- USB Flash Drive (1GB)
- 2" 3-ring binder with loose-leaf paper (for notes)
- CD-Rs / DVD-Rs (Data back-up, assignment submission)
- DVD disc and disc jacket
- Writing Utensil of Choice
- Lots of loose-leaf paper

Recommended Supplies:

- An open mind

ADA Statement: To meet the needs of our students with disabilities, The Art Institute offers reasonable accommodations for qualified students with disabilities. Students or applicants who would like to request reasonable accommodations should contact the Student Services Coordinator for the school. Students with disabilities are encouraged to contact your instructor and the Dean of Student Affairs in advance of the quarter of study when accommodations are needed.

Saving Work: It is the student's responsibility to save his or her work to disk. Multiple copies should be saved and verified prior to leaving the classroom. The teacher is in no way responsible for the work saved on hard drives, nor is he/she bound

to give an extension on work improperly saved. The hard drives will get purged regularly. **Students are expected to back up all work. Loss, theft, computer failure, etc. are not acceptable excuses.**

| PARTICIPATION CRITERIA

Excellent

A (93-100)

A- (90-92)

Outstanding participation. The student is actively engaged in every facet of the class. He/She comes to every class session ready to engage in informed discussion based on a thorough and critical reading of their homework assigned material (if applicable), and he/she maintains complete critical reading notes and brings it to every class session and keeps copies of everything in their journal. The student makes extraordinary contribution to the class through consistently thoughtful, well focused, and original examples. The student works collaboratively with his/her classmates and instructor and the student seeks assistance should he/she need it. **The student misses no classes.**

Very Good/Good

B+ (87-89)

B (83-86)

B- (80-82)

Good participation. The student is actively engaged in most facets of the class. He/She comes to every class session ready to engage in informed discussion based on a careful reading of the assigned material, and he/she maintains substantial number of critical reading notes and brings it to most class sessions. The student makes a solid contribution to the class through regular relevant and thoughtful comments, questions and examples. The student works collaboratively with his/her classmates and instructor and the student is likely to seek assistance should he/she need it. The student misses the maximum of **one** class.

Satisfactory

C+ (77-79)

C (73-76)

C- (70-72)

Average participation. The student is actively engaged in some facet of the class. He/She comes to many class sessions ready to engage in informed discussion based on a general reading of the assigned material, including few critical reading notes and brings it to many class sessions. The student makes a contribution to the class through general, incomplete and/or tangential comments. The student, for the most part, works collaboratively with his/her classmates and instructor and is not likely to seek assistance on his/her own. The student misses **two** class sessions.

Below Average

D (60-64)

Poor participation. The student rarely demonstrated an active engagement in some facets of the class. He/She comes to many class sessions unprepared for informed discussion, and his/her critical reading notes are substantially incomplete and rarely bring it to the class sessions. The student does not collaborate with his/her classmates and instructor and the student is not likely to seek assistance on his/her own or even with direction. The student misses two-three class sessions.

Failure

F (0-59)

Unacceptable participation. The student is not an active member of the class.

Syllabus Changes: **Syllabus is subject to change at the instructor's discretion. Awareness of these changes is the student's responsibility**

CLASS SCHEDULE:

WEEK 1:

Topics:

- Introductions
- Course Overview
- Student Survey
- Design vs. Software
- A Brief History of the Internet
- The Nuts and Bolts of the Web
- The Basics of HTTP
- HTML: The Language of the Web
- Heads and Bodies
- Basic HTML Tags and How They Work
- What the Heck is CSS?
- Adding Images
- File structure and organization

Goals: Get familiar with the basic structure and syntax of HTML

In-class:

- Lecture on topics above
- Assignment - Getting to Know HTML
- Demo - HTML tags
- Demo - Addin' Style to Text
- Demo - Adding images

Assignment Due Next Week:

- Sturbock's Coffee Shack

Handouts:

- Getting to Know HTML
- Sturbock's Coffee Shack

WEEK 2:

Topics:

- Adding Links to other HTML files
- Understanding attributes
- Links that Don't Work (Troubleshooting)
- Linking Down to a Subfolder
- Linking Up Into a Parent folder

Goals: Get familiar with adding links

Due Today:

- Sturbock's Coffee Shack (put in my dropbox)
- Check binder and tabs (remember, this counts towards your 20% participation grade)

In-class:

- Assignment - Constructing and Deconstructing <a> elements
- Demo - Linking Down to a Subfolder
- Demo - Linking Up into a Parent folder
- Demo - Linking to Another Site
- Assignment - Fixing a Broken Image Link

Assignment Due Next Week:

- Link This! Assignment
- Begin studying for Midterm Exam

Handouts:

- Constructing and Deconstructing <a> elements
- Fixing a Broken Image Link
- Linking to Another Site
- Link This! Assignment

WEEK 3:

Topics:

- The <q> element vs. blockquote
- Gimme a Linebreak!

- Makin' Lists
- Adding colors to backgrounds and fonts
- Building your First Website from scratch!
- The Step-by-Step flow (Sketch -> Outline -> Webpage)
- Testing your first website out!

Due Today:

- Link This! Assignment (put in my dropbox)
- **Quiz 1**

In-class:

- Hands-On Demo - Castaway Bob's Journal

Assignment Due Next Week:

- Three Interesting Things About Me Pre-Production Assignment
- Study for Midterm Exam

WEEK 4:

Topics:

- Getting Your Site on the Web
- Domain Names, ISPs and URLs
- Absolute paths vs. relative paths
- How to Link to Other Sites
- Mid-term EXAM review

In-class:

- Three Interesting Things About Me class critique
- Demo – absolute paths vs. relative paths
- Mid-term exam review

Assignment Due Next Week:

- Project 1 “Three Interesting Things About Me” website

Handouts:

- “Three Interesting Things About Me” - Project 1
- Mid-term review handout

WEEK 5:

Topics:

- Good web-design vs. bad web-design
- The importance of color and navigation in site design
- Alt tags and what they're used for
- Target: Creating a Pop-Up browser window
- The Care and Feeding of Images: JPEGs vs. GIFs
- Meet the tag
- Making Thumbnails and linking them
- The Wonder of Tables

Due Today:

- “Three Interesting Things About Me” - Project 1 (put in my dropbox)

In-class:

- MID-TERM EXAM (Written Test)
- Demo – good web design vs. bad web-design
- Project 1 Critique
- .Demo – working with images
- Demo – thumbnail fever!

Assignment 4:

- Project 2: Portfolio Gallery

Handouts:

- Portfolio Gallery Assignment
- Good vs bad web-design examples

WEEK 6:

Topics:

- Go over Mid-term exam
- A new design flow for creating websites
- Planning your site (Points to Ponder)
- Laying out a basic webpage design in Photoshop
- Rollovers and Buttons
- Image Slices

Due Today: Project 2: Portfolio Gallery (put in my dropbox)

In-class:

- Portfolio Gallery critique
- Demo - Site planning process
- Demo - Webpage layout using Photoshop
- Sketch your site layout
- One-on-one meeting with students
- Mid-term binder check

Assignment Due Next Week:

- Create Photoshop site layout for 3 pages for your site

Handouts:

- Project 3 “Personal Website” Assigned

WEEK 7:

Topics:

- Image slices and why we need them
- Image maps
- Creating a navigation bar

Due Today:

- Photoshop layout (3 pages due)

In-class:

- Demo - Slicing up a site
- Demo - creating an image map
- Demo - creating a navigation bar

Assignment Due Next Week:

- All pages properly sliced, image maps created, and navigation bar created

WEEK 8:

Topics:

- Moving into Dreamweaver to assemble content created from Photoshop / ImageReady.
- Adding URLs
- Image maps for navigation bars
- Taking a peek ‘under the curtain’ at the code Dreamweaver creates
- The Hidden Wonders of “View Source”
- Previewing and testing your site
- Uploading your site via FTP
- Get Ready for Week 10 Portfolio Assessments (if applicable)

Due Today:

- All pages properly sliced, image maps created, and navigation bar in place

In-class:

- Continue work on Project 3, develop content for your site
- Questions and Answers, one-on-one help sessions

Assignment Due Next Week:

- Website progress review
- Final Exam

WEEK 9:

Topics:

- FINAL EXAM
- Linking Movies and Flash files
- Flash vs web-design
- Using Photoshop Action Scripts to generate a custom Portfolio Gallery

Due Today:

- Website progress review

In-class:

- Class critique on progress so far
 - work on Project 3
 - Q-n-A, one-on-one help sessions
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WEEK 10:

Topics:

- Q-n-A

In-class:

- work on Project 3
- one-on-one help sessions

Assignment Due Next Week:

- Place your website on the server and also save a copy of your entire site on the drop-off box.

WEEK 11:

- Project 3 Personal Website presentation
- Place your website on the server. Leave a copy on the drop off box.

Congratulations!

COURSE NUMBER: GA234
COURSE NAME: Programming for the Artist
INSTRUCTOR: Krishna M. Sadasivam

- I have completely read and fully understand the contents of this syllabus
- I take full responsibility for living up to these obligations including, but not limited to attendance, participation, notes, quizzes, projects, etc.
- I will ask for help/assistance (both in and out of class) if needed

Student Signature: _____ Instructor Signature: _____

Print Name: _____ Print Name: **Krishna M. Sadasivam**

Date: _____ Date: _____

	Excellent (4)	Good (3)	Average (2)	Poor (1)
Internal and External Navigation 20 points	<p>All of the menus, navigation links and all internal links and sections of the website connect back to the home page and/or sitemap.</p> <p>All external links to connecting websites are active and functioning.</p> <p>A sitemap/index is provided to make the site easy-to-access.</p> <p>Folders and file names are organized as specified in handout.</p>	<p>Most of the menus, navigation links and internal links to sections of the website connect back to the home page and/or sitemap.</p> <p>Most of the external links to connecting websites are active and functioning.</p> <p>A limited sitemap/index is provided.</p> <p>Minor mistakes in folder / file organization.</p>	<p>Some of the menus, navigation links and internal links to sections of the website connect back to the home page and/or sitemap, but in other places the links do not connect to preceding pages or to the original index page.</p> <p>Some of the external links to connecting websites are not active and functioning.</p> <p>No sitemap/index is provided.</p> <p>Folders / files haphazardly organized.</p>	<p>There are significant problems with menus, navigation links and internal links to sections of the website and few or no connections back to the preceding pages or to the original index page.</p> <p>Many external links to connecting websites are not active and functioning.</p> <p>No sitemap/index is provided.</p> <p>No organization of folders or files.</p>
Layout and Text Elements 20 points	<p>The typography is easy-to-read and point size varies appropriately for headings and text.</p> <p>Use of bullets, italics, bold, and indentations enhances readability.</p> <p>Consistent format extends page-to-page. The layout uses horizontal and vertical white space appropriately.</p> <p>The background, colors and layout are artful and consistent across the website and enhance the readability of the information presented.</p>	<p>Sometimes the typography is easy-to-read, but in a few places the use of fonts, point size, bullets, italics, bold, and indentations for headings and subheadings detract and do not enhance readability.</p> <p>A few minor format inconsistencies decrease readers' accessibility to the content. The layout uses horizontal and vertical white space appropriately in most places.</p> <p>The background, colors and layout are consistent across the website and make it easy to read the information presented.</p>	<p>The typography is difficult to read and uses too many different fonts, overuse of bold, bullets, italics or lack of appropriate indentations of text.</p> <p>Some formatting tools are under- or over-utilized and decrease the readers' accessibility to the content. There are several format inconsistencies throughout the website. The layout uses horizontal and vertical white space inappropriately in some places.</p> <p>The background, colors and layout are distracting and make it difficult to read the information presented</p>	<p>The text is extremely difficult to read due to inappropriate use of fonts, point size, bullets, italics, bold, and indentations for headings and sub-headings and body text.</p> <p>Many formatting tools are under- or over-utilized and decrease the readers' accessibility to the content. There are numerous format inconsistencies throughout the website. The layout uses horizontal and vertical white space inappropriately and the content appears cluttered.</p> <p>The background, colors and layout make the site unattractive, and it is difficult to read the information presented.</p>

Contact Person, copyright, and Update Information 20 points	Each Web page includes a footer with a working email link to the author of the website or contact person including a connecting link to homepage, date of creation or revision, and copyright information.	The Web pages includes a footer with two of the criteria.	The Web pages includes a footer with one of the criteria.	No footer is included on the Web pages.
Fair Use Guidelines 20 points	Fair use guidelines are followed with proper use of citations throughout the Web page.	Fair use guidelines are frequently followed and most non original material uses proper citations.	Sometimes fair use guidelines are followed and some non original material uses proper citations.	Fair use guidelines are not followed. Non original material is improperly cited..
Writing Mechanics 20 points	The text has no errors in grammar, capitalization, punctuation, and spelling	The text has a few errors in grammar, capitalization, punctuation, and spelling requiring minor editing and revision.	The text has errors in grammar, capitalization, punctuation, and spelling requiring editing and revision. (4 or more errors)	The text has many errors in grammar, capitalization, punctuation, and spelling requiring major editing and revision. (more than 6 errors)

Please note: Zeros are recorded for projects not turned in.