


CS1315: Introduction to Media Computation

Introduction to Course

```

def clearRed(picture):
    for pixel in getPixels(picture):
        setRed(pixel,0)



```



```

def greyscale(picture):
    for p in getPixels(picture):
        redness=getRed(p)
        greenness=getGreen(p)
        blueness=getBlue(p)
        luminance=(redness+blueness+greenness)/3
        setColor(p,
            makeColor(luminance,luminance,luminance))




```

```

def negative(picture):
    for px in getPixels(picture):
        red=getRed(px)
        green=getGreen(px)
        blue=getBlue(px)
        negColor=makeColor(255-red,255-green,255-blue)
        setColor(px,negColor)


```

```

def chromakey2(source,bg):
    for p in getPixels(source):
        if (getRed(p)+getGreen(p) < getBlue(p)):
            setColor(p,getColor(getPixel(bg,getX(p),getY(p))))
    return source

```



How grades will be determined

- See Coweb Syllabus page for corrected grading policy
- **OVERALL:** Grades are straight scale: 90-100 A, 80-89 B, 70-79 C, 60-69 D, 59 or below F

Collaborative for Learning, Non-Collaborative for Assessment

| Collaboration OK | Non-Collaborative |
|------------------|--------------------|
| Labs | |
| Homework | |
| | Quizzes |
| | Midterms and Final |

Read the statement concerning acceptable practices on the website

Labs

- How to use your computer to do useful things
 - **Word, Excel, PowerPoint, HTML**
- On your own computer (not really in a lab)
- Collaborative

Pop Quizzes

- Unannounced
- Given during lecture
- Some may be collaborative, others not

Homework

- Programming assignments
- Collaborative
- *No Late Assignments Accepted AT ALL (without prior notification)*
- *Assignments due at 7:00 p.m on due date*

Midterms and Final

- Two-three midterms
 - **All-class-period long**
- Final

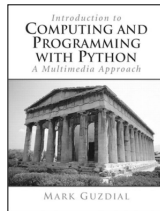
Class website

■ <http://coweb.cc.gatech.edu/cs1315>

- This is where you'll find everything associated with the class—editable by *you!*
 - **Syllabus**
 - **Homeworks/Projects/Labs**
 - **TA Information**
 - **Soapbox and Personals**
 - **Announcements (*You are responsible for these! Check daily!!*)**

Text

- Book from Pearson/Prentice Hall: "Introduction to Computing and Programming in Python: A Multimedia Approach" by Mark Guzdial, 2005.
 - **Be aware that this version of the book is copyright 2005.**
 - **The older book, "Introduction to Media Computation" 2nd edition, is very similar, but does differ some from the newest edition (that happens to have a new title.)**
- CD with software and media attached to book
 - **JES (our programming environment) also on CoWeb**



No Cell Phones or Pagers Permitted

- Emergencies happen
 - **Let me know before class if you are expecting a phone or page and need to leave it on**
- But in *any* event, if you get a call or page, you are expected to **LEAVE THE LECTURE.**

COME TO CLASS!

- Approach of the class is apprenticeship
 - I'll demonstrate a lot of what you need to do
 - You will see me make mistakes.
 - You will also see how to fix them
- Class attendance is expected and required
 - But if you miss class, you are still responsible for everything that was covered. Get notes from a friend and see the online material.

Organization of the class

- *Mandatory* lectures
 - Mon/Wed/Fri IC 103
- *Strongly Recommended* recitations
 - Tuesdays or Thursdays in IC
 - It's your responsibility to know who your grading TA is
 - Problem solving, examples, Q&A
- Online resources on cweb
- Submissions using T-Square

TALK TO US! (Please!)

- We really want to know if the class is working and how it doesn't work
 - Comment areas on CoWeb
 - Office hours etc.