Basics of iOS

1. Introduction (SLIDE 1)
   1. Course: 178 – Basics of iOS
   2. Dates: June 15th - June 19th
   3. Time 1:30 PM – 3:00 PM
   4. Days: Monday – Friday
   5. Classroom: Engineering 201
   6. Office hours: Available upon request
   7. Course Instructor: Joe Bainbridge
   8. How long I have been in the computer world
      1. The first computer I ever touched was in the early 1990s – I was about 10 years old.
      2. I used to take the family computer apart and put the pieces back together
      3. I moved to Las Vegas in 2007
         1. Worked at one of the largest accounting firms in Las Vegas as an assistant MIS director.
         2. That is where I learned a lot of skill and deep knowledge of computers.
      4. I learned the importance of computers at an early age
         1. I knew there was a purpose for computers
2. Evolving computers (SLIDE 2)
   1. How computers have evolved and merged together over the years
   2. The oldest analog computer known was dated back to 150 – 100 BC – the Antikythera mechanism.
   3. Now in 2015, we have the iPhone 6 and The New iPad (SLIDE 3)
      1. An iPad/iPhone consists of the following:
         1. Phone
         2. Calculator
         3. Camera
         4. Microphone
         5. Radio
         6. Flashlight
         7. Notepad
         8. Recorder
         9. TV
         10. Personal Computer
         11. Fax machine
         12. Book
3. Advancement of technology and software (SLIDE 4)
   1. As we understand and learn more about software, we are capable of creating amazing products like the Apple iPad and Apple iPhone.
   2. iOS (iPhone Operating System), is one of the most advanced operating systems to date.
      1. iOS is the instructions for the physical hardware of the phone to function and operate.
      2. iOS gives us the convenience to effectively utilize this little piece of hardware as a phone, calculator, microphone, radio, flashlight, notepad, etc…
         1. without iOS, these pieces of hardware would be nothing more than an expensive paper-weight!
4. Learning about the structure of an iPhone/iPad
   1. Before we can begin to appreciate the beauty of iOS, we need to understand how the iPhone/iPad work.
      1. How each button is used and what each button can do. (SLIDE 5)
         1. On/Off button
         2. Home button
         3. Volume Up
         4. Volume Down
         5. Ring/Silent
         6. Lightning Port (charger)
            1. Takes about 2-3 hours for a full charge (0-100%)
         7. Headphone jack (standard 3.5mm headphone jack)
         8. Receiver
         9. Bottom/Rear microphone
         10. Speaker
         11. Front/Rear camera
         12. Flash
5. Turning on the iPhone/iPad (PLUG IN THE PHONE/IPAD)
   1. The iPhone/iPad is a touch-screen
      1. Everything is done by motions with the finger
      2. The iOS is activated by a small electrical signal from our fingers.
         1. A small conductive layer holds an electrical charge, as we put our fingers on the screen it changes the amount of charge at that specific location and then detects a press/movement.
   2. The Lock Screen
      1. By pressing the On/Off button, you will come to the lock screen
         1. The lock screen has many functions:
            1. To check the time
            2. Check the date
            3. Use SIRI
            4. Utilize the Control Center
   3. The Control Center
      1. The Control Center is accessed by swiping from the bottom up with any finger
         1. The Control Center has many functions:
            1. Airplane mode
            2. Wifi
            3. Bluetooth
            4. Do not disturb
            5. Lock orientation
            6. Adjust brightness
            7. Play last song
            8. AirDrop (will cover in the advanced course)
            9. AirPlay (will cover in the advanced course)
            10. Flashlight
            11. Timer
            12. Calculator
            13. Camera
         2. The control center is extremely convenient!
            1. You can access all of these options quickly, without going into the phone/ipad.
   4. Home Screen
      1. Type in passcode
      2. The first screen we come to is the “home screen”
         1. All “apps” are located on the home screen
         2. All download and pre-packaged apps are on the home screen
         3. From the home screen you can:
            1. Open applications
            2. Remove applications
            3. Re-arrange applications
         4. The home screen is kind of like our starting point, it’s always where we begin.
         5. If we ever want to get back to the home screen, we press the home button.
   5. Controlling sounds
      1. Sounds are important on a phone
         1. Phone ring volume
         2. Ring tone
         3. Vibrate
         4. Silent
      2. Press the settings app > sounds
         1. Vibrate on ring
            1. Whenever a phone call comes in, it vibrates too
         2. Vibrate on silent
            1. The phone will vibrate even if it is set to silent
         3. Ringer and Alerts volume
         4. Change with Buttons
            1. The outside volume buttons can be turned off or on
         5. Sounds and vibration patterns
            1. Setting the following:

Ringtone

Text tone

New Voicemail

New mail

Sent Mail

Etc…

* + - 1. Lock Sounds
         1. Play the lock sounds
      2. Keyboard Clicks
         1. Play the sound of keyboard clicks
  1. Learning finger gestures
     1. This is one of the most important aspects of learning how to use iOS.
        1. Finger gestures can be extremely powerful
        2. As stated before, iOS detects finger gestures by the static charge on the screen. Therefore, we must touch the screen in order for it to register.
        3. The more fluid you are with your motions, the better off you will be.
        4. It will take time and practice!
           1. Be patient
           2. It is not perfect!
  2. WiFi networks
     1. Connecting to WiFi is one of the best ways to take advantage of your iOS device
     2. Almost always, WiFi is faster than your data carrier’s speed
        1. It makes for a better all-around experience
     3. When possible, always try to connect to WiFi.
  3. Connect to WiFi networks
     1. Press on the settings app < WiFi
     2. Click on Bluezone
     3. Type in A number
     4. Type in Password