## ECE 110-L

## Physical Skills & Processes

- Gross Motor (large muscle movement)
  - Reflexive movements
  - Lift head
  - Lift chest
  - Turn & roll over
  - Sit
  - Crawl
  - Pull to stand
  - Transitions (sit to crawl, sit to stand)
  - Balance
  - Walking
    - Stand alone
    - Cruise (walk holding furniture)
    - Take a few steps
    - Walk
  - 。 Run
  - o Climb
  - Steps
    - Creep on steps
    - Both feet same step
    - Alternating feet
    - Hold railing
  - Riding bike
    - Push bike (feet propel)
    - Tricycle
    - Bike with training wheels
  - Ball play
    - Throwing
      - Throw (goes anywhere)
      - Throw with aim/ to target
  - Catching
    - Trap against chest
    - Trap with arms
    - Catch with hands
  - Kicking
    - Stopped ball
    - Moving ball
    - With aim/ to a target
- Fine Motor (small muscle movement)
  - Reaching & grasping
    - Reach for/ swat object
    - Grasp objects
    - Let go of objects
    - Bang objects together
    - Pass objects hand to hand

- Use hands independent of other
- Picking up small objects
  - Grab small objects with whole hand
  - Pinch small objects with thumb & index finger to pick-up
- Finger movements
  - Poke with finger
  - Use fingers independent of each other
  - Turning pages of a book
- Writing
  - Hold writing instrument
    - With fisted grasp
    - End/ top of crayon with whole hand
    - Hold at bottom of crayon with 3 fingers (tripod grasp)
- Drawing
  - Scribble off paper
  - Scribble on paper
  - Draw intentional picture, unrecognizable
  - Draw picture with recognizable features
  - Drawing with some letters accidentally
  - Copy/ trace letters
  - Form letters
  - Inventive spelling
  - Write sentences
- Hand-eye coordination (eyes perceive & hand carry out actions)
- Chewing
  - Swallow food
  - Chew up & down
  - Move food inside of mouth with tongue