## Universal Design for Learning Guidelines

### Provide Multiple Means of Engagement
**Purposeful, motivated learners**
- Provide options for self-regulation
  - Promote expectations and beliefs that optimize motivation
  - Facilitate personal coping skills and strategies
  - Develop self-assessment and reflection
- Provide options for sustaining effort and persistence
  - Heighten salience of goals and objectives
  - Vary demands and resources to optimize challenge
  - Foster collaboration and community
  - Increase mastery-oriented feedback
- Provide options for recruiting interest
  - Optimize individual choice and autonomy
  - Optimize relevance, value, and authenticity
  - Minimize threats and distractions

### Provide Multiple Means of Representation
**Resourceful, knowledgeable learners**
- Provide options for comprehension
  - Activate or supply background knowledge
  - Highlight patterns, critical features, big ideas, and relationships
  - Guide information processing, visualization, and manipulation
  - Maximize transfer and generalization
- Provide options for language, mathematical expressions, and symbols
  - Clarify vocabulary and symbols
  - Clarify syntax and structure
  - Support decoding of text, mathematical notation, and symbols
  - Promote understanding across languages
  - Illustrate through multiple media

### Provide Multiple Means of Action & Expression
**Strategic, goal-directed learners**
- Provide options for executive functions
  - Guide appropriate goal-setting
  - Support planning and strategy development
  - Enhance capacity for monitoring progress
- Provide options for perception
  - Offer ways of customizing the display of information
  - Offer alternatives for auditory information
  - Offer alternatives for visual information
- Provide options for expression and communication
  - Use multiple media for communication
  - Use multiple tools for construction and composition
  - Build fluencies with graduated levels of support for practice and performance
- Provide options for physical action
  - Vary the methods for response and navigation
  - Optimize access to tools and assistive technologies