

LIS4381 Exam2 Review Sheet:
Textbook: Chs. 7 – 14, 19, Recorded Videos, Discussion Board Postings
Test-taking: In-Class (no books/notes), 1-hr., 55 ques. multi-choice

The following topics and concepts should be reviewed:

- Object-oriented programming
 - Classes, objects, members, methods (functions), properties,
 - constructors vs destructors
 - Instantiation
 - Member selection (or, object access modifier) notation (operator)
 - Static methods and properties
 - Encapsulation
 - class_exists()
 - Access modifiers (public, protected, private)
 - Inspecting objects: is_a(), instanceof
- Forms: get vs post, hidden fields, checkboxes, radio buttons
- Functions: creating, using, parameters, arguments, library, func_get_args()
 - pass by value vs. by reference
 - scope
 - return statements
 - ltrim() vs rtrim()
 - local vs global variables
 - namespaces
- Strings: escape sequences, interpolation, strlen()
- PDO vs. mysqli, prepared statements, binding parameters
- Sessions: \$_SESSION variable
- arrays (e.g., declaring, initializing, printing), array elements, numeric position, index
 - indexed vs associative
 - array_sum()
- Control Structures:
 - if
 - if ... else
 - switch, case, break, default
 - while
 - do ... while
 - for
 - foreach
 - continue, break
- DateTime: why important to use
- Type casting