Key Words and Concepts for Hour Exam 2

Global Positioning System (GPS)
Space Vehicle (SV)
One-way ranging
Two-way ranging
Total Station
Pseudorange
Range
Sphere of Position
Clock Errors
Selective Availability (SA)
Almanac
CA Code
Status Message
Carrier
Code Solution
Carrier-phase Solution
Orbits (Ephemeris)
GDOP (PDOP)
Multipathing
Tropospheric Delay
Ionospheric Refraction
Differential GPS (DGPS)
Base Station
Rover
Wide Area Augmentation System (WAAS)
Cycle Slips
Real Time Kinematic (RTK) DGPS
Static DGPS
Rapid Static DGPS
Location-based Service (LBS)
Assisted GPS (A-GPS)
ArcPad
Digital Elevation Model (DEM)
Digital Terrain Model (DTM)
National Elevation Dataset (NED)
Shuttle Radar Topography Mission (SRTM)
LiDAR
Reflection, absorption
Radiometric resolution
Channels
Thermal infrared
Photogrammetry
ASTER Global DEM (GDEM)
Airborne LiDAR
Scanning (Terrestrial) LiDAR
Spatial Analysis
Nominal, Ordinal, Ratio cell values
Simple Raster
Extended Raster
Map Algebra
Raster Calculator
Local, Focal, Global Functions
Reclassification
Raster overlay analysis
Buffer, buffering
Tobler’s Law
Spatial Interpolation
Deterministic vs. Geostatistical techniques
Inverse Distance Weighting (IDW)
Exact, Inexact Interpolation
Spline
Trend
Local fitting, Global fitting
Kriging
Spatial autocorrelation (covariance)
variogram, semivariogram
Lag, Lag distance
Nugget, Range, Sill
Spatial Dependency
Stationarity
Distribution
Cokriging
Spatial Anisotropy
Remote Sensing
Image, imagery
Reflected, backscattered, emitted radiation
Passive, Active sensing
Atmospheric attenuation, scattering
Resolution: spatial, spectral, temporal
Bandwidth
Hyperspectral resolution