

# WWHM 2012 Academy Master Course Manifest

Instructor: Doug Beyerlein, P.E., P.H., D.WRE

## 37 Part Video Course

### 1. **MODULE 1: Introduction to WWHM**

#### 2. **Introduction**

3. Module 1.1 – Introduction, Background and Theory
4. Module 1.2 – HSPF, WWHM Capabilities and Continuous Simulation Hydrology
5. Module 1.3 – Flow Duration Curve
6. Module 1.4 – Basic WWHM Elements
7. Module 1.5 – Pond Sizing Example
8. Module 1.6 – Recharge and LID Analysis Tool
9. Module 1.7 – WWHM File Types and Help

### 10. **MODULE 2: Using the Software**

#### 11. **Introduction**

12. Module 2.1 – Opening Screen and Map Options
13. Module 2.2 – Schematic and Landuse Basin
14. Module 2.3 – Basin Management, Landuse Area, and Point of Compliance
15. Module 2.4 – Pond Modeling
16. Module 2.5 – Pond Analysis
17. Module 2.6 - Additional Pond Iterations and AutoPond
18. Module 2.7 - AutoPond Theory
19. Module 2.8 - Analysis Tab
20. Module 2.9 - PDF Report
21. Module 2.10 – Basic WWHM Elements

### 22. **MODULE 3: Advanced Theory**

#### 23. **Introduction**

24. Module 3.1 – Introduction
25. Module 3.2 – Extra Basin
26. Module 3.3 – Additional Elements
27. Module 3.4 – LID Elements
28. Module 3.5 – Pervious Pavement
29. Module 3.6 – Bioretention Element
30. Module 3.7 – LID Report

### 31. **MODULE 4: Advanced Modeling**

#### 32. **Introduction**

33. Module 4.1 – Introduction
34. Module 4.2 – Advanced Pond Modeling
35. Module 4.3 – Sand Filter
36. Module 4.4 – Wetland Protection

37. Module 4.5 – Lateral Basins
38. Module 4.6 – Green Roof
39. Module 4.7 – Permeable Pavement
40. Module 4.8 – Bioretention Facility
41. Module 4.9 – Compost Amended Filter Strip
42. **Bonus Module – WWHM 2012 for Beginners**
43. Installing WWHM 2012
44. Introduction and File Paths
45. Map Controls
46. Help Files
47. Elements
48. **Bonus Module – Element Overviews**
49. Landuse Basin
50. Trapezoidal Pond
51. Storage Vault
52. Natural Channel
53. Time Series
54. Lateral Impervious Basin
55. Gravel Trench Bed
56. Sand Filter
57. Flow Splitter
58. Green Roof
59. Permeable Pavement
60. Bioretention
61. **Bonus 1 – Project Template Pack**
62. **Bonus 2 – Practice Project**