# Processing XML and TEI into What? A Free-for-all Pair of Workshops

## DHSI 2022, Course #32, Elisa Beshero-Bondar

### Coursepack contents

1. Contents 1
2. About this course 3
3. Syllabus 5
4. Resources (bibliography and links) 8
5. Exercises and tutorials (links) 10
6. XPath
   1. What can XPath do for me? 11
   2. The XPath functions we use most 21
7. Regular expressions (regex)
   1. Autotagging with regular expressions (regex) 25
8. XSLT
   1. Introduction to XSLT 33
   2. Attribute value templates (AVT) 41
   3. The XSLT identity transformation
      1. Tutorial 45
      2. Exercise 49
   4. Modal XSLT 52
   5. XSLT, part 2: advanced features 55
   6. Using <xsl:analyze-string> 63
9. Schematron
   1. Guide to schema writing with Schematron 66
   2. Validating references with Schematron 69
   3. Coding with unique identifiers and Schematron 73
10. What’s new in XSLT 3.0 and XPath 3.1 (under development) 76
11. Obdurodon exercises and tests
    1. Regular expressions (regex) 81
    2. XPath 95
    3. XQuery 103
    4. XSLT 108
    5. Schematron 129
12. Newtfire exercises and tests
    1. Regular expressions (regex) 134
    2. XPath 136
    3. XQuery 144
    4. XSLT 147
    5. Schematron 163
13. Mulberry guides and quick references
    1. Guide to using the Oxygen XML Editor (v20.0) 176
    2. XQuery 1.0 and XPath 2.0 functions and operators quick reference 189
    3. Regular expressions in XSLT 2.0, XQuery 1.0 and XPath 2.0 quick reference 191
    4. ISO Schematron quick reference 193
    5. XPath 2.0 quick reference 195
    6. XQuery 1.0 quick reference 197
    7. XSLT 2.0 quick reference 199
14. Supplemental readings
    1. *XQuery* (Priscilla Walmsley; sample) 202
    2. *XPath 2.0 and XSLT 2.0* *programmer’s reference* (Michael Kay; table of contents) 232