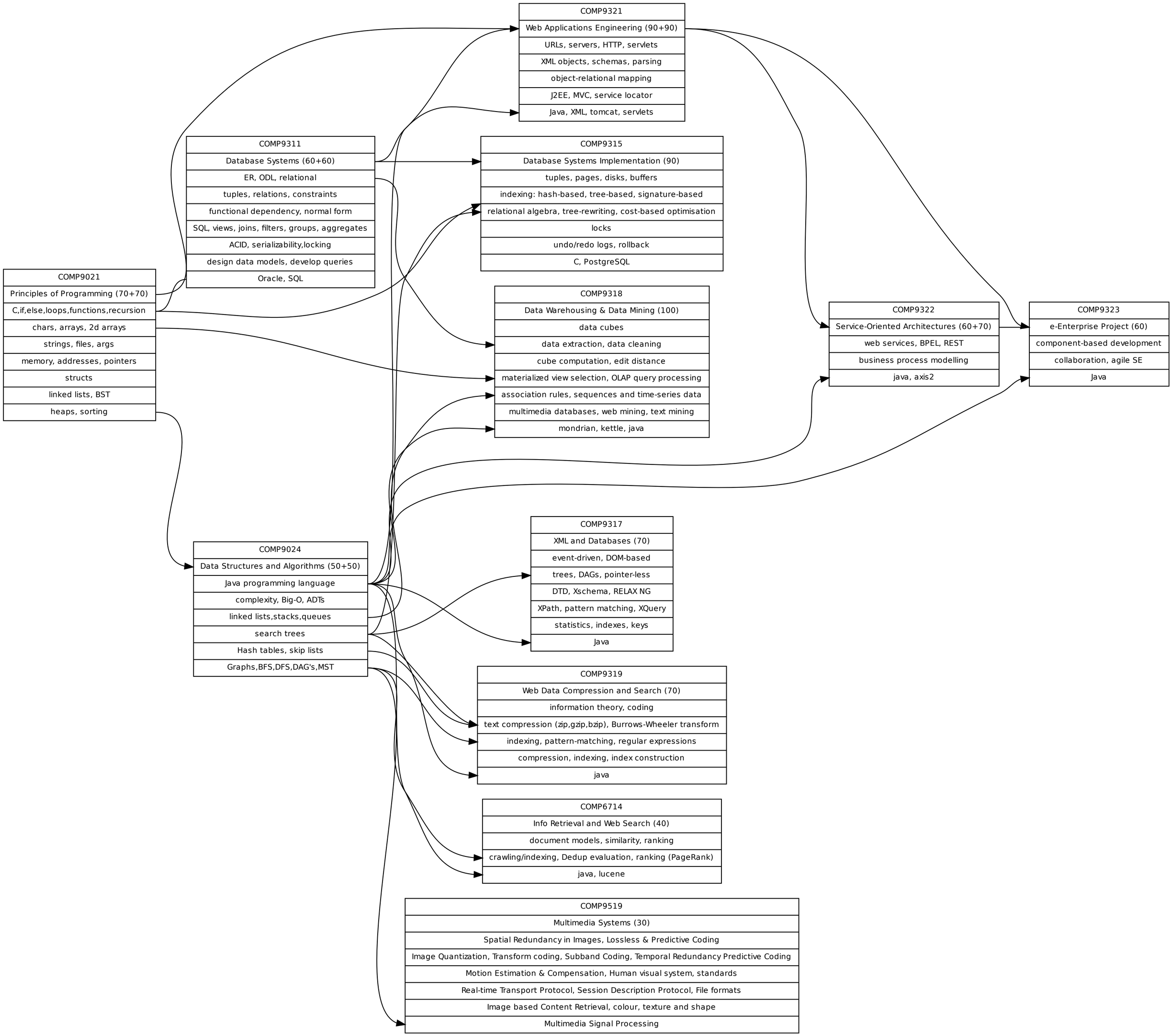

COMP9321
Web Applications Engineering (90+90)
URLs, servers, HTTP, servlets
XML objects, schemas, parsing
object-relational mapping
J2EE, MVC, service locator
Java, XML, tomcat, servlets
COMP9311
Database Systems (60+60)
ER, ODL, relational
tuples, relations, constraints
functional dependency, normal form
SQL, views, joins, filters, groups, aggregates
ACID, serializability,locking
design data models, develop queries
Oracle, SQL
COMP9315
Database Systems Implementation (90)
tuples, pages, disks, buffers
indexing: hash-based, tree-based, signature-based
relational algebra, tree-rewriting, cost-based optimisation
locks
undo/redo logs, rollback
C, PostgreSQL
COMP9021
Principles of Programming (70+70)
C,if,else,loops,functions,recursion
chars, arrays, 2d arrays
strings, files, args
memory, addresses, pointers
structs
linked lists, BST
heaps, sorting
COMP9318
Data Warehousing & Data Mining (100)
data cubes
data extraction, data cleaning
cube computation, edit distance
materialized view selection, OLAP query processing
association rules, sequences and time-series data
multimedia databases, web mining, text mining
mondrian, kettle, java
COMP9322
Service-Oriented Architectures (60+70)
web services, BPEL, REST
business process modelling
java, axis2
COMP9323
e-Enterprise Project (60)
component-based development
collaboration, agile SE
Java
COMP9317
XML and Databases (70)
event-driven, DOM-based
trees, DAGs, pointer-less
DTD, Xschema, RELAX NG
XPath, pattern matching, XQuery
statistics, indexes, keys
Java
COMP9024
Data Structures and Algorithms (50+50)
Java programming language
complexity, Big-O, ADTs
linked lists,stacks,queues
search trees
Hash tables, skip lists
Graphs,BFS,DFS,DAG's,MST
COMP9319
Web Data Compression and Search (70)
information theory, coding
text compression (zip,gzip,bzip), Burrows-Wheeler transform
indexing, pattern-matching, regular expressions
compression, indexing, index construction
java
COMP6714
Info Retrieval and Web Search (40)
document models, similarity, ranking
crawling/indexing, Dedup evaluation, ranking (PageRank)
java, lucene
COMP9519
Multimedia Systems (30)
Spatial Redundancy in Images, Lossless & Predictive Coding
Image Quantization, Transform coding, Subband Coding, Temporal Redundancy Predictive Coding
Motion Estimation & Compensation, Human visual system, standards
Real-time Transport Protocol, Session Description Protocol, File formats
Image based Content Retrieval, colour, texture and shape
Multimedia Signal Processing