

**UniBZ 2009/2010**  
**XML Data Management Lab 2 – 19 OCT 2009**

**Assignment I**

Design a way to represent one or more students as a single XML document. Write a DTD that can be used to validate such an XML document.

**The specification is as follows:**

The document should contain data about one or more students.

For each student first name(s), last name(s), sex, date of birth, date of enrollment, whether she or he is currently a bachelor or master student must be recorded.

Furthermore, for each student a list of exams the student passed may be present (the absence of such a list means the student didn't pass any exams yet). Each exam present in the list must contain title, date of passing and mark.

Please note that this specification does not uniquely define a DTD. Part of the assignment is to take decisions about when to use elements and when to use attributes or what name to give to elements and attributes, etc...

**Deliverables:**

Please hand-in via e-mail (use the one of my addresses you got a reply from) within 26 OCT 2009:

- your DTD
- one or more valid XML documents according to your DTD
- one or more invalid XML documents according to your DTD (also mentioned why they're invalid)

Regards,  
Chris.