244 XML Basics

```
<a tribute name="title" type="string" use="optional"/> </complexType>
```

The meaning is that an element in an XML document that is declared to be of type lecturerType may have a title attribute; it may also include any number of firstname elements and must include exactly one lastname element.

Data Type Extension

Already existing data types can be extended by new elements or attributes. As an example, we extend the lecturer data type.

In this example, lecturerType is extended by an email element and a rank attribute. The resulting data type looks like this: