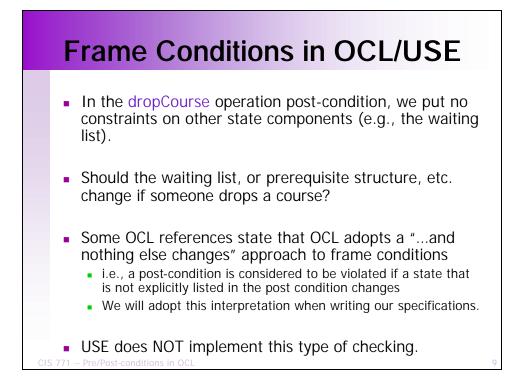
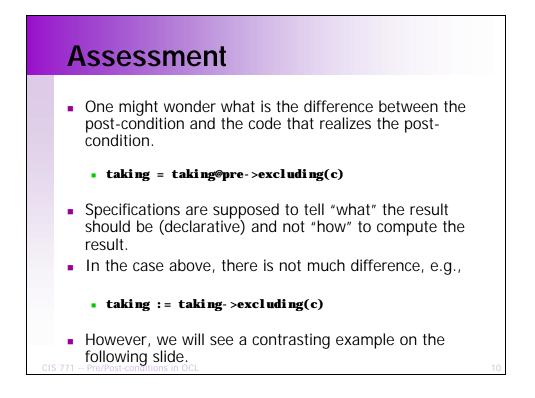


Example	
Student::dropCourse(c: Course)	
<pre>context Student::dropCourse(c: Course) pre NowTaking: taking-&gt;includes(c) post NotTaking: taking = taking@pre-&gt;excluding(c) </pre>	
CIS 771 Pre/Post-conditions in OCL	7

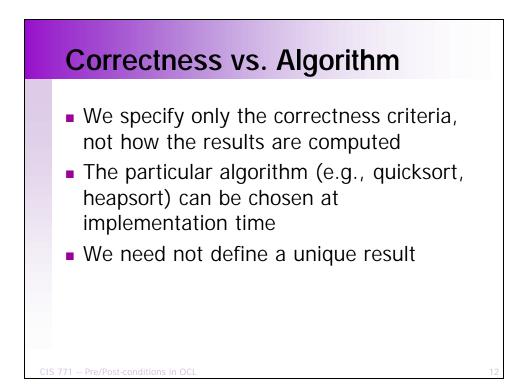
## Assessmentwhat pre/post states satisfy the specification when c = c3?cmtext Student:: dropCourse(c: Course)<br/>[me NowTaking: taking > includes(c)]<br/>[met NowTaking: taking = taking@pre - >excluding(c)]cmtext Student:: dropCourse(c: course)<br/>[met NowTaking: taking = taking@pre - >excluding(c)]cmtext Student:: dropCourse(c: course)<br/>[met NowTaking: taking = taking@pre - >excluding(c)]cmtext Student:: dropCourse(c: course)<br/>[met NowTaking: taking = taking@pre - >excluding(c)]cmtext Student:: dropCourse(c: course)<br/>[met NowTaking: taking = taking@pre - >excluding(c)]cmtext Student:: dropCourse(c: course)<br/>[met NowTaking: taking = {cl, c2, c3}]cmtext Student:: dropCourse(c: course)<br/>[met NowTaking: taking = {cl, c2, c3}]cmtext Student:: dropCourse(c: course)<br/>[met NowTaking: taking = {cl, c2, c3}]cmtext Student:: dropCourse(c)<br/>[met NowTaking: taking = {cl, c2, c3}]cmtext Student:: dropCourse(c)cmtext Student:: dropCourse(c)</t

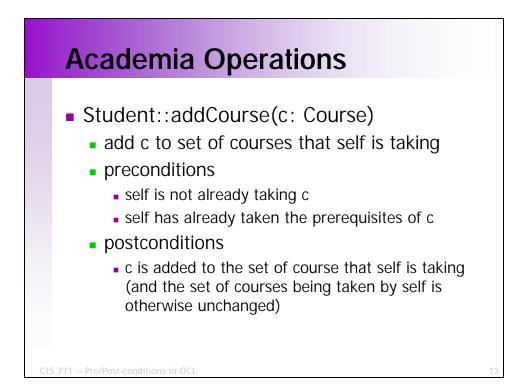


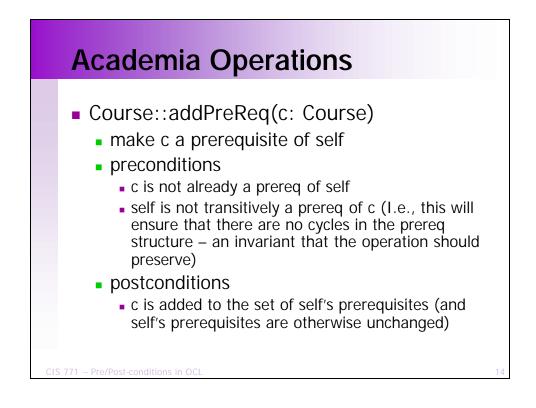


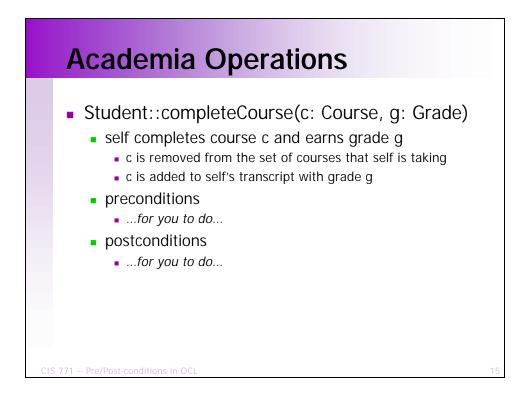
## **Example**

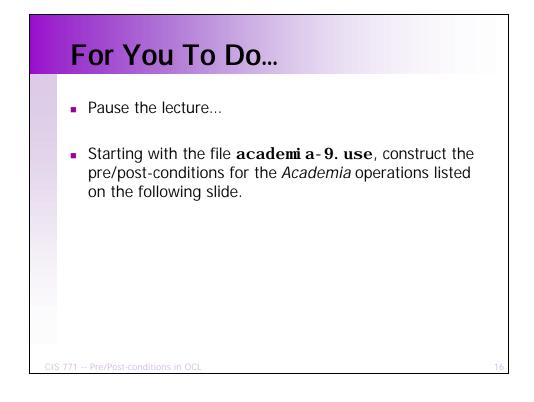
```
Sorting sequences of integers
context A::sort(s : Sequence(Integer)) : Sequence(Integer)
post SameSize:
    result->size = s->size
post SameElements:
    result->forAll(i | result->count(i) = s->count(i))
post IsSorted:
    Sequence{1..(result->size-1)}->
    forAll(i | result.at(i) <= result.at(i+1))</pre>
```





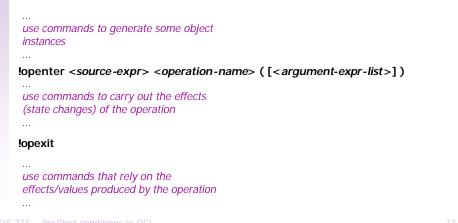






## **Checking Pre/Post-Conditions in USE**

Structure of a USE script for checking pre/postconditions



CIS //T -- PIP/POSt-Conditions III OCL

