

-- Returns the immediate prerequisites for the passed-in course number.

create or replace function get_course_prerequisites(int, REFCURSOR)

returns refcursor as \$\$

declare

wanted_course int := \$1;

resultset REFCURSOR := \$2;

begin

open resultset for

select prereqnum

from prerequisites

where coursenum = wanted_course;

return resultset;

end;

\$\$

language plpgsql;

SELECT get_course_prerequisites(499, 'results');

FETCH ALL FROM results;

--Returns the courses for which the passed-in course number is an

--immediate pre-requisite.

create or replace function get_course_unlocked(int, REFCURSOR)

returns refcursor as \$\$

declare

can_take int := \$1;

resultset REFCURSOR := \$2;

begin

open resultset for

select coursenum

```
        from prerequisites
        where prereqnum = can_take;
    return resultset;
end;
$$
language plpgsql;

SELECT get_course_unlocked(221, 'results');
FETCH ALL FROM results;
```