

# Disk Usage by Course

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The following query provides a summary of the disk space usage (in bytes) and number of files used by each course in the system from the `mdl_files` meta table for the data directory / file store.

This is just for the space used in the data directory (not the database) but that is usually where most of the disk usage happens (e.g. multimedia resources associated with the course).

```
select
    f.contextid,
    x.instanceid,
    c.fullname as course_full_name,
    c.shortname as course_short_name,
    sum(f.filesize) as size_in_bytes,    sum(case when (f.filesize > 0) then 1 else 0 end) as
number_of_files
from
    mdl_files f inner join mdl_context x
    on f.contextid = x.id
    and x.contextlevel = 50
    inner join mdl_course c
    on c.id = x.instanceid
group by
    f.contextid, x.instanceid
order by
    sum(filesize) desc
;
```

**NOTE:** context level 50 refers to courses.

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