

## ORMATYC/WAMATIC 2011

### Using Elluminate to Teach Mathematics Face-to-Face and via Distance Education

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#### Creating the Session

- Most likely created by your Elluminate administrator for your campus.
- Make sure they enable “Recording Viewer Details” which allows tracking of students who watch the recorded sessions.
- Make sure they set the number of simultaneous talkers to at least 2 (default is 1).
- Make sure they set the session duration to span the entire term or year.
- After the session is created, you should receive an email (usually forwarded to the instructor from the administrator) that includes six links.
  - Moderator’s link to join the session (I create a shortcut on the desktop)
  - Student’s link to join the session (I put this link on a web page)
  - Link to put the session on a Outlook calendar (I don’t use this)
  - Link to the last recorded session (note: recording changes after each session)
  - Link to a formatted table of recorded sessions (could put this on a web page)
  - Link to a list of recorded sessions (could put this on a web page)



Elluminate - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Elluminate Inc. (CA) <https://sas.illuminate.com/site/external/recording/playback/link/table/meeting?uid>

Most Visited Local Server BMCC CS120 Algebra Trig Calculus Email CourseCompass e-Companion

Mozilla Firefox Start Page x Elluminate

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### Recordings

#### MTH070 - ELEMENTARY ALGEBRA

Time Zone Converter

Index	Started	Ended	Room Duration	Size	Version	Attendees	Link
0	2010-03-30 07:33 AM Pacific (PDT, North America/US)	2010-03-30 09:41 AM Pacific (PDT, North America/US)	02:08:10	0.0136 MB	9.7	2	<a href="#">Play</a>
1	2010-09-27 07:50 AM Pacific (PDT, North America/US)	2010-09-27 08:52 AM Pacific (PDT, North America/US)	01:02:24	8.999 MB	10.0	1	<a href="#">Play</a>
2	2010-09-28 07:53 AM Pacific (PDT, North America/US)	2010-09-28 09:38 AM Pacific (PDT, North America/US)	01:44:42	6.8667 MB	10.0	1	<a href="#">Play</a>
3	2010-09-30 07:51 AM Pacific (PDT, North America/US)	2010-09-30 09:33 AM Pacific (PDT, North America/US)	01:42:16	20.1816 MB	10.0	1	<a href="#">Play</a>
4	2010-10-04 07:20 AM Pacific (PDT, North America/US)	2010-10-04 08:57 AM Pacific (PDT, North America/US)	01:37:06	6.648 MB	10.0	1	<a href="#">Play</a>
5	2010-10-05 07:38 AM Pacific (PDT, North America/US)	2010-10-05 09:38 AM Pacific (PDT, North America/US)	01:59:52	15.7897 MB	10.0	1	<a href="#">Play</a>
6	2010-10-07 07:52 AM Pacific (PDT, North America/US)	2010-10-07 09:27 AM Pacific (PDT, North America/US)	01:35:01	12.6014 MB	10.0	1	<a href="#">Play</a>
7	2010-10-11 07:37 AM Pacific (PDT, North America/US)	2010-10-11 08:56 AM Pacific (PDT, North America/US)	01:18:23	9.1318 MB	10.0	1	<a href="#">Play</a>
8	2010-10-12 08:00 AM Pacific (PDT, North America/US)	2010-10-12 09:37 AM Pacific (PDT, North America/US)	01:36:22	14.1271 MB	10.0	1	<a href="#">Play</a>

Done

Mozilla Firefox

File Edit View History Bookmarks Tools Help

Elluminate Inc. (CA) <https://sas.illuminate.com/site/external/recording/playback/link/list/meeting?uid=1>

Most Visited Local Server BMCC CS120 Algebra Trig Calculus Email CourseCompass e-Companion

Mozilla Firefox Start Page x Elluminate

<https://sas.ell...CD93BA7E52AA87>

[Mar 30, 2010, \[Tue\] 07:33 AM Pacific \(PDT, North America/US\) \(02:08:10\)\[0.0136 MB\]](#)  
[Sep 27, 2010, \[Mon\] 07:50 AM Pacific \(PDT, North America/US\) \(01:02:24\)\[8.999 MB\]](#)  
[Sep 28, 2010, \[Tue\] 07:53 AM Pacific \(PDT, North America/US\) \(01:44:42\)\[6.8667 MB\]](#)  
[Sep 30, 2010, \[Thu\] 07:51 AM Pacific \(PDT, North America/US\) \(01:42:16\)\[20.1816 MB\]](#)  
[Oct 04, 2010, \[Mon\] 07:20 AM Pacific \(PDT, North America/US\) \(01:37:06\)\[6.648 MB\]](#)  
[Oct 05, 2010, \[Tue\] 07:38 AM Pacific \(PDT, North America/US\) \(01:59:52\)\[15.7897 MB\]](#)  
[Oct 07, 2010, \[Thu\] 07:52 AM Pacific \(PDT, North America/US\) \(01:35:01\)\[12.6014 MB\]](#)  
[Oct 11, 2010, \[Mon\] 07:37 AM Pacific \(PDT, North America/US\) \(01:18:23\)\[9.1318 MB\]](#)  
[Oct 12, 2010, \[Tue\] 08:00 AM Pacific \(PDT, North America/US\) \(01:36:22\)\[14.1271 MB\]](#)  
[Oct 18, 2010, \[Mon\] 07:43 AM Pacific \(PDT, North America/US\) \(01:10:15\)\[6.1579 MB\]](#)  
[Oct 19, 2010, \[Tue\] 07:48 AM Pacific \(PDT, North America/US\) \(01:38:28\)\[13.8121 MB\]](#)  
[Oct 21, 2010, \[Thu\] 07:46 AM Pacific \(PDT, North America/US\) \(01:41:17\)\[11.515 MB\]](#)  
[Oct 25, 2010, \[Mon\] 07:45 AM Pacific \(PDT, North America/US\) \(01:06:13\)\[6.662 MB\]](#)  
[Oct 26, 2010, \[Tue\] 07:45 AM Pacific \(PDT, North America/US\) \(01:23:35\)\[9.0993 MB\]](#)  
[Nov 01, 2010, \[Mon\] 07:54 AM Pacific \(PDT, North America/US\) \(00:56:45\)\[5.8537 MB\]](#)  
[Nov 02, 2010, \[Tue\] 07:48 AM Pacific \(PDT, North America/US\) \(01:20:49\)\[10.181 MB\]](#)  
[Nov 04, 2010, \[Thu\] 07:48 AM Pacific \(PDT, North America/US\) \(01:32:28\)\[13.1654 MB\]](#)  
[Nov 08, 2010, \[Mon\] 07:45 AM Pacific \(PST, North America/US\) \(01:09:39\)\[7.6402 MB\]](#)  
[Nov 09, 2010, \[Tue\] 07:49 AM Pacific \(PST, North America/US\) \(01:33:44\)\[10.8139 MB\]](#)  
[Nov 15, 2010, \[Mon\] 07:48 AM Pacific \(PST, North America/US\) \(01:05:28\)\[8.8177 MB\]](#)  
[Nov 18, 2010, \[Thu\] 07:53 AM Pacific \(PST, North America/US\) \(01:03:16\)\[6.3876 MB\]](#)  
[Nov 29, 2010, \[Mon\] 07:46 AM Pacific \(PST, North America/US\) \(01:10:09\)\[5.838 MB\]](#)  
[Nov 30, 2010, \[Tue\] 07:45 AM Pacific \(PST, North America/US\) \(01:13:42\)\[8.2821 MB\]](#)  
[Dec 02, 2010, \[Thu\] 07:50 AM Pacific \(PST, North America/US\) \(01:40:27\)\[12.2868 MB\]](#)  
[Dec 06, 2010, \[Mon\] 07:55 AM Pacific \(PST, North America/US\) \(00:58:10\)\[7.3809 MB\]](#)  
[Dec 09, 2010, \[Thu\] 07:54 AM Pacific \(PST, North America/US\) \(00:58:03\)\[7.1656 MB\]](#)  
[Jan 04, 2011, \[Tue\] 07:43 AM Pacific \(PST, North America/US\) \(02:01:17\)\[19.0587 MB\]](#)  
[Jan 05, 2011, \[Wed\] 07:51 AM Pacific \(PST, North America/US\) \(01:02:53\)\[9.2757 MB\]](#)  
[Jan 06, 2011, \[Thu\] 07:40 AM Pacific \(PST, North America/US\) \(01:46:27\)\[11.8152 MB\]](#)  
[Jan 11, 2011, \[Tue\] 07:34 AM Pacific \(PST, North America/US\) \(01:58:36\)\[11.84 MB\]](#)  
[Jan 12, 2011, \[Wed\] 07:47 AM Pacific \(PST, North America/US\) \(01:09:27\)\[10.0833 MB\]](#)  
[Jan 13, 2011, \[Thu\] 07:19 AM Pacific \(PST, North America/US\) \(05:59:15\)\[11.7792 MB\]](#)  
[Jan 19, 2011, \[Wed\] 07:39 AM Pacific \(PST, North America/US\) \(01:12:40\)\[2.5495 MB\]](#)

<https://sas.illuminate.com/p/jnlp?psid=2010-11-09.0849.M.A0DE14070D62AE1CD93BA7E52AA87.vcr&cid=837>

## After a Recorded Session

- An email is sent to the instructor/moderator with a link to that recording.
- Important: This is not sent until ALL participants have exited from the session
- I create links with these links on web page that are descriptive.



## Basic Features and Functions of Elluminate

- Participant list and icons: moderator determines individual/group privileges
  - Raised hand; Polling responses; Microphone; Video; Chat; Application sharing; Whiteboard
  - Yellow background means a student is using that tool
  - Have students use the “Raise Hand” button
- Chat
  - To everyone or to an individual
  - FYI: All student to student chat messages are seen by the moderator.
- Audio
  - Audio setup wizard (Tools/Audio/Audio Setup Wizard)
  - Turn microphone on/off (don't forget!!!)
  - Microphone & speaker level controls
- Whiteboard
  - Loading a PowerPoint presentation into the whiteboard (no animations)
- Sharing
  - Application VS Desktop
  - Hidden buttons for the viewer of shared applications/desktop
  - PowerPoint, Starboard, TI-SmartView, WinPlot, a browser, etc.
- Recording
  - Can be paused
  - Only actually ends when all participants have ended their sessions
- Views/Layouts
  - Instructor and student layouts are independent of each other
  - The advantage of dual monitors!

## Uses of Elluminate in the Mathematics Classroom

1. Synchronous students at a distance
  - Distance Education students attending class live
  - Face-to-face students who occasionally cannot attend a class due to illness, sick kids, etc.
2. Asynchronous students (can't attend live, they watch recordings)
  - Distance Education students (recordings from current or previous term)
  - Face-to-Face students who miss class
    - Never again will you hear the question ...  
**“Did we do anything important in class yesterday?”**
3. Recordings specifically for distance education courses
4. Live office hours (with or without a phone)
5. Answer student's email questions with a recording
6. Tutoring

## Hardware Used with Elluminate (with some examples)

- Interactive Whiteboards
  - Starboard TRIO
  - Memio Teach
  - Smart Board
  - Promethean
- LCD Screens & Tablet PC's
  - Starboard (17" & 19")
  - Wacom
- Graphic Tablets
  - Wacom
  - Starboard
  - Memio Pad
- Microphones & Speakers
  - Yamaha ProjectPhone
  - Phoenix Duet
  - Lapel Microphone
  - Headset (wired & wireless)
- Computer (of course) – Dual Monitors is nice
- Projector (for the live class)