



Going online with your lectures: the easy way

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What you need



- PC/Mac with microphone
- PowerPoint 2010 or later (PPT)
- YouTube account (free)

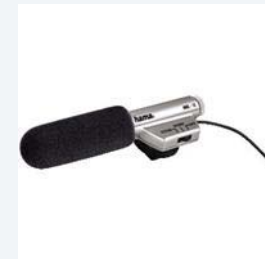


1. Technology: Microphones

Microphone polar patterns:

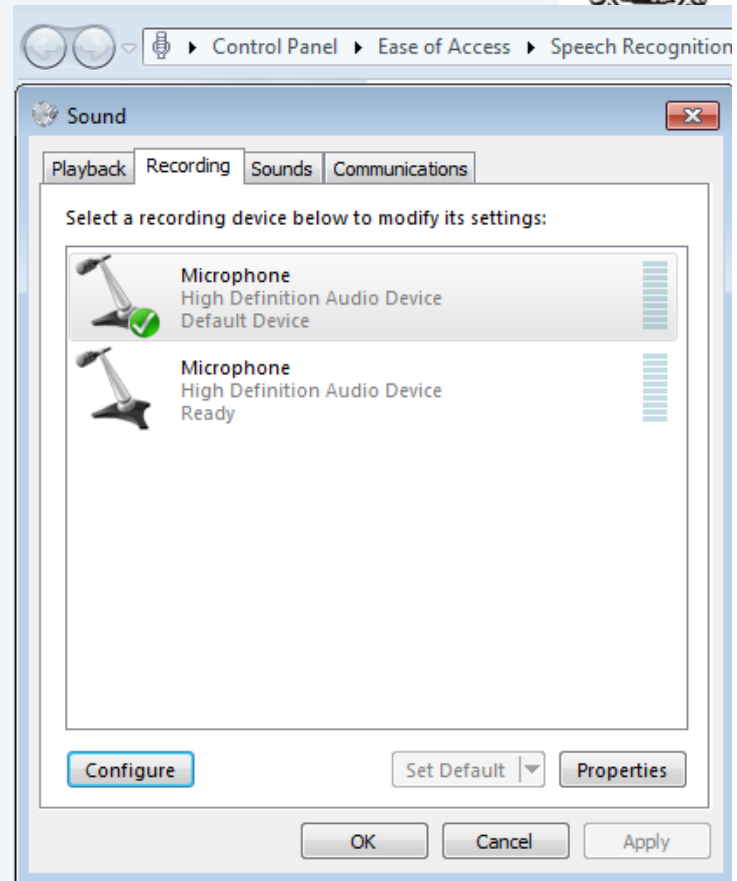
- Omnidirectional
- Unidirectional
- Cardioid
- Bi-directional (number of 8)

Some are attached to the PC via USB, others by mini-jack pluggs.



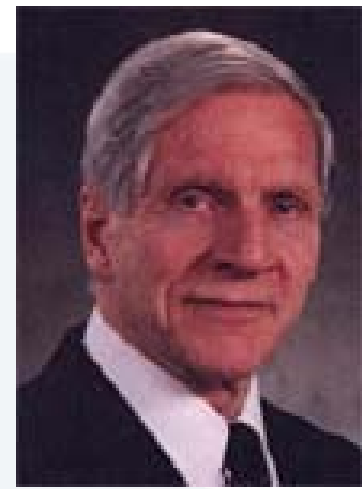
Sound quality

- Keep the microphone near the source
- Avoid background noise
- Sound level may shift in the transitions
- A good mic will record high quality
- Remember to configure your mic (Control panel):



2. Some theoretical background

How multimedia learning works



Allan Paivio

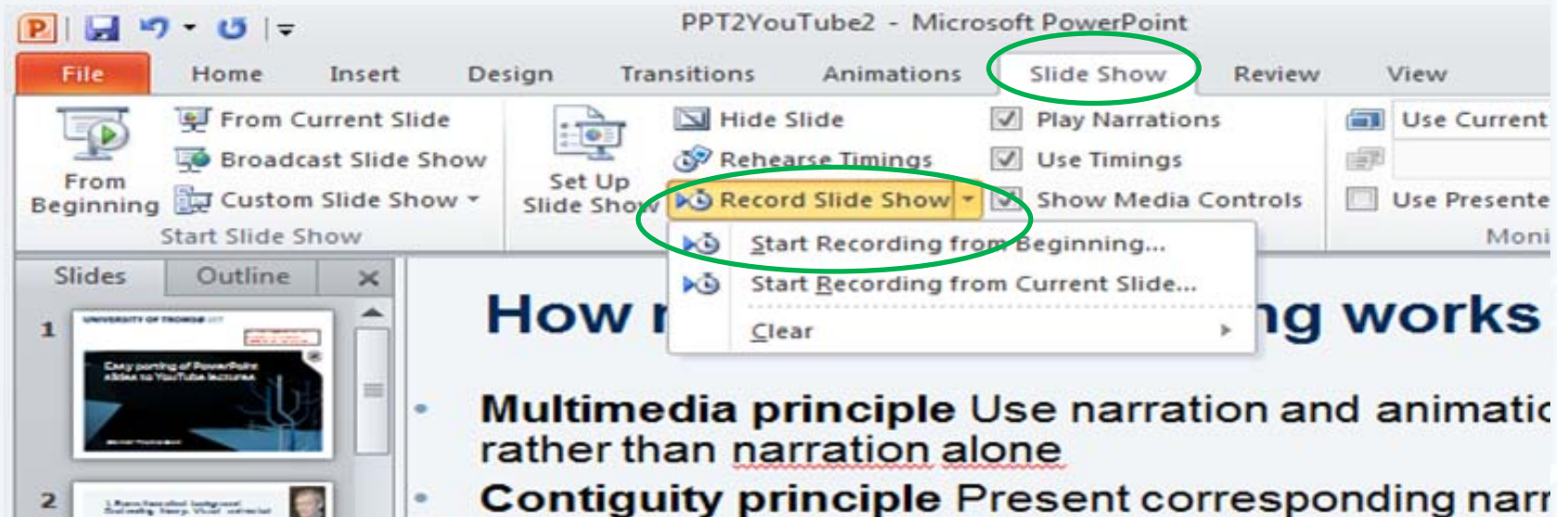
- **Multimedia principle** Use narration and animation rather than narration alone
- **Contiguity principle** Present corresponding narration and animation simultaneously rather than successively
- **Spatial contiguity principle** Show text as near to the animation as possible.
- **Coherence principle** Eliminate unneeded words and sounds
- **Modality principle** Present words as narration rather than as on-screen text
- **Redundancy principle** Present narration and animation rather than narration, animation, and on-screen text
- **Personalization principle** Students learn better when words are presented in conversational style than in formal style

(Ref.: Mayer and Moreno 2002)

3. Record audio narration in PPT

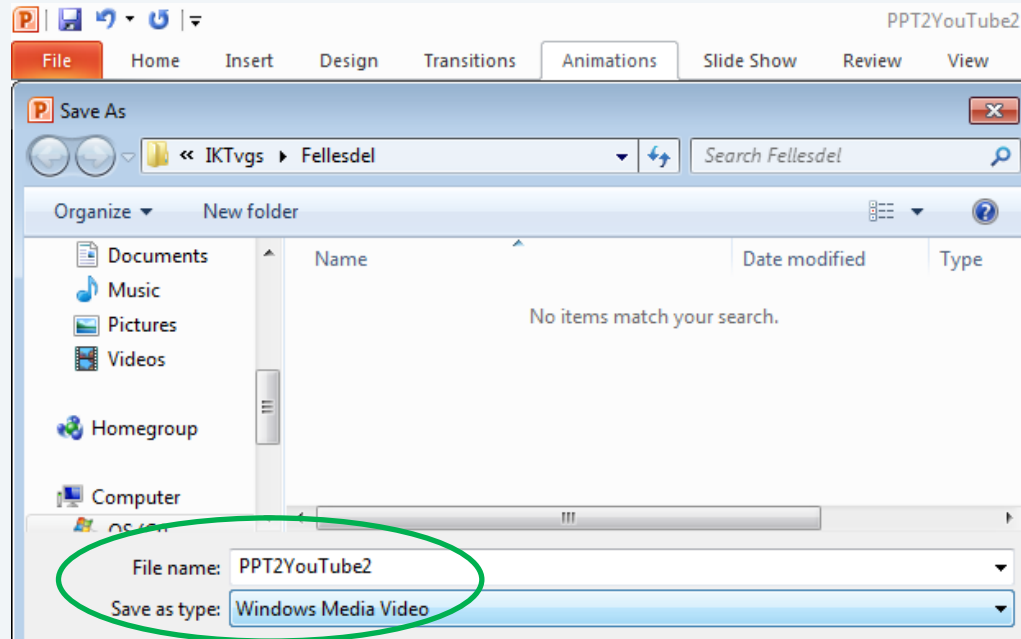


- First finish all text, pictures and animations
- Audio is added as the next step
- Select **Slide Show -> Record Slide Show** in PPT menu:



4. Save the PPT as WMV-file

- Save the PPT presentation in standard PPT-file with the recorded comments
- Also save the file as type Windows Media Video:

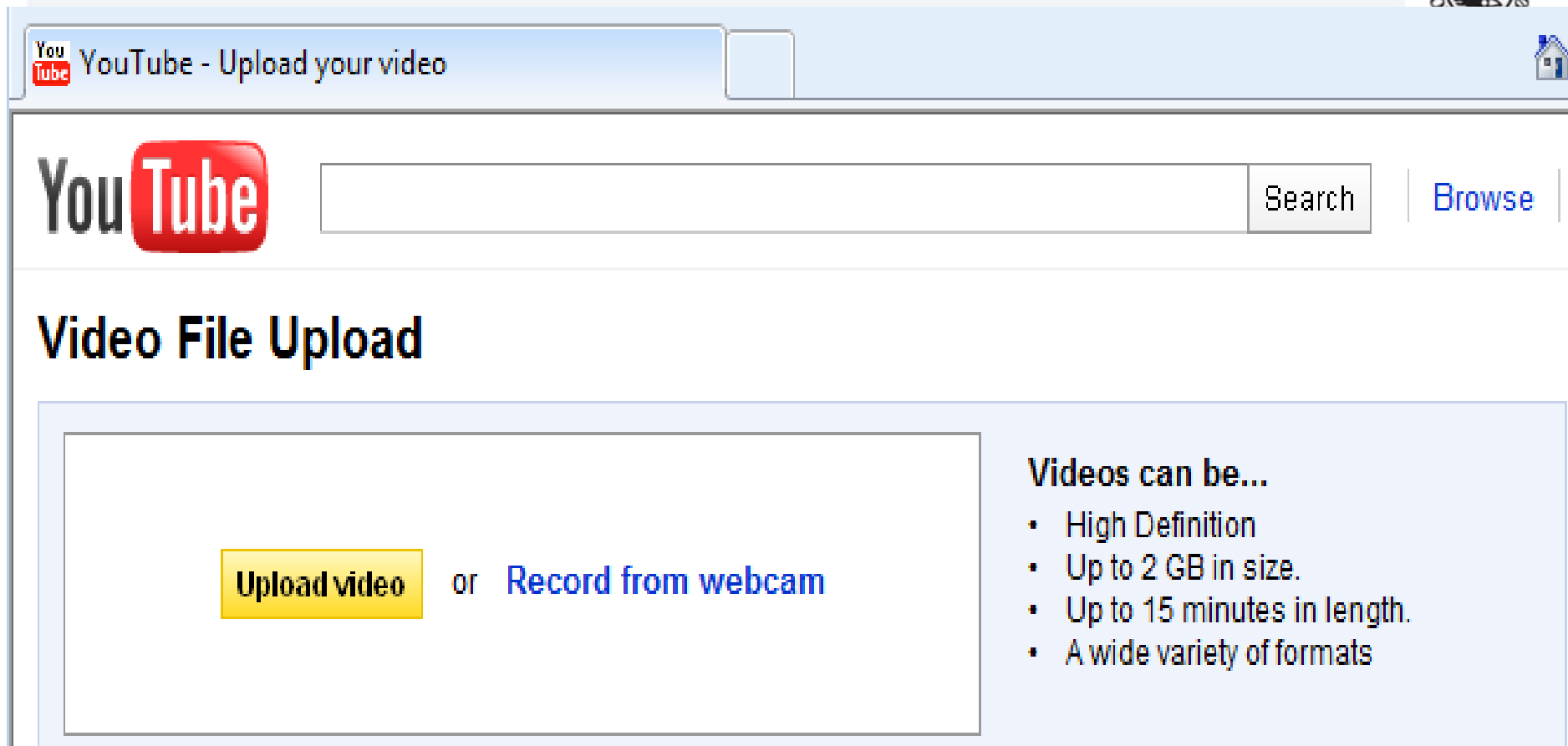


- This WMV-file may be uploaded to [youtube.com](https://www.youtube.com)
YouTube will convert and store the file as a Flash-format that will be accessible on Internet as streaming video.



5. Upload movie to YouTube

- Go to youtube.com and **sign in**

A screenshot of the YouTube website's upload page. The browser window title is "YouTube - Upload your video". The YouTube logo is on the left, followed by a search bar with a "Search" button and a "Browse" link. Below this is the heading "Video File Upload". In the center, there is a yellow button labeled "Upload video" and a blue link labeled "Record from webcam". To the right, under the heading "Videos can be...", there is a list of video specifications: High Definition, up to 2 GB in size, up to 15 minutes in length, and a wide variety of formats.

YouTube - Upload your video

YouTube

Search | Browse

Video File Upload

Upload video or [Record from webcam](#)

Videos can be...

- High Definition
- Up to 2 GB in size.
- Up to 15 minutes in length.
- A wide variety of formats

Summing up



- Create your PowerPoint slides
- Add narration
- Save as .wmv file
- Upload to YouTube
- Share your link with your students



<http://www.youtube.com/watch?v=6D5UupCPrf4>

Litteratur



- Mayer, R. & Moreno, R. (2002). Aids to computer-based multimedia learning. *Learning and Instruction*, 12, 107-119.
- Paivio, A. (2006). *Dual Coding Theory and Education*. The University of Michigan School of Education, University of Western Ontario. URL: <http://www.umich.edu/~rdytolrn/pathwaysconference/presentations/paivio.pdf>
- Thorvaldsen, S. (2011). Easy transfer of PowerPoint slides to YouTube lectures. *MSHU proceedings*, 2011.