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**Electronic voting**

Source of collocation list: UoL Centre for Translation Studies  
<http://corpus.leeds.ac.uk/> (EN corpus - 110 mil. words)



### e-voting@Leeds - flavours

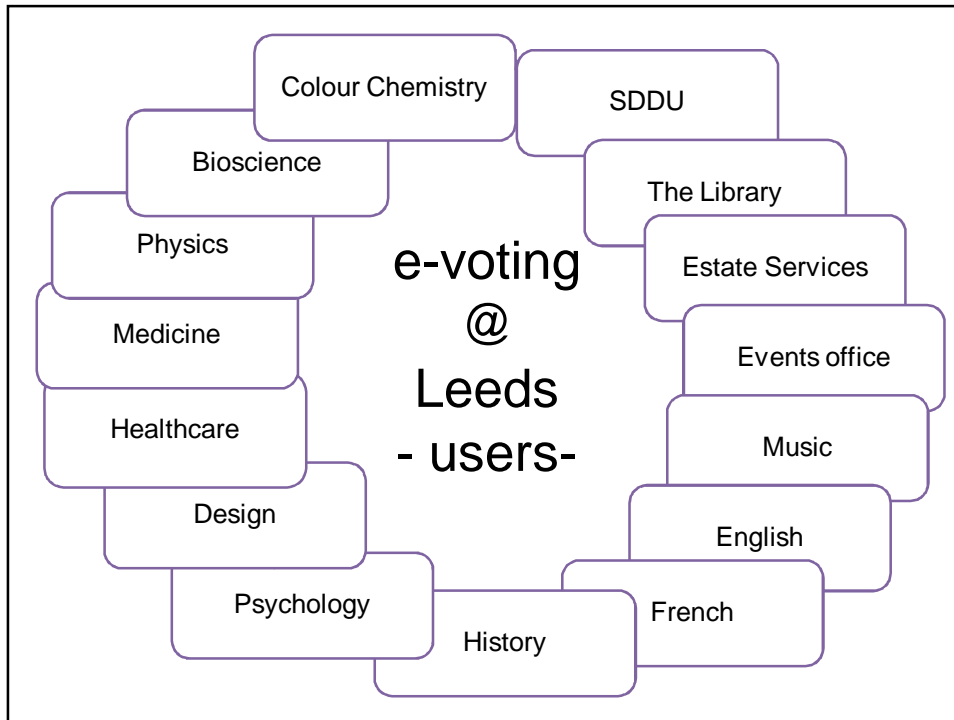


## e-voting@Leeds - setup

- ~700 IR clickers
  - SDDU, the Library, Former Media Services
  - 100 – mobile kit (laptop+receivers+clickers)
  - 600 – 6 rooms wired up
- ~1,100 RF crickets
  - 2 individual units + 1 faculty
- ~250 PRS RF handsets
  - Engineering

## e-voting@Leeds - challenges

- too much IR kit for my liking
- software and driver issues (getting better)
  - running the system on a heavily-protected network
- competitors - TurningPoint



## e-voting@Leeds - support

- SDDU (Staff and Departmental Development Unit)
  - regular training sessions
  - local support website
  - 1:1 consultations
  - in-person assistance
- ISS
  - now ability to send software (Response) to users remotely
  - working on solving driver conflicts
- Former Media Services
  - maintenance of part of the IR loan kit
  - maintenance of 3 LTs equipped for e-voting

## e-voting@Leeds - activities

- voting in mock Russian elections (POLIS)

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- **revision (everyone)**

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- talent show contests (Events)
- revision (everyone)
- **blended learning component (Healthcare)**

## UoL Healthcare project

- People:
  - Module leader: Paul Arnold (Healthcare)
  - Pedagogical & IT support: Dragos Ciobanu (SDDU)
  - Enthusiasts: Paul's 3 colleagues

## UoL Healthcare project

- Approach:
  - post pre-reading materials on VLE
  - check reading (beginning of session)
    - short clarifications
  - introduce new information
  - check understanding (½ way into session)
    - clarifications
  - introduce new information
  - check understanding (end of session)
    - clarifications
  - ask students to nominate uncomfortable areas
  - post on the VLE module blog after session:
    - e-voting reports
    - additional materials as requested by students

**Clicker Session Review: Question 1** UNIVERSITY OF LEEDS

Which of the following areas do you feel MOST comfortable with?

1. Contrast agents
2. CT safety issues
3. CT scanning techniques
4. Applications for CT of the head
5. Applications for CT of the thorax & abdomen

00:30 0

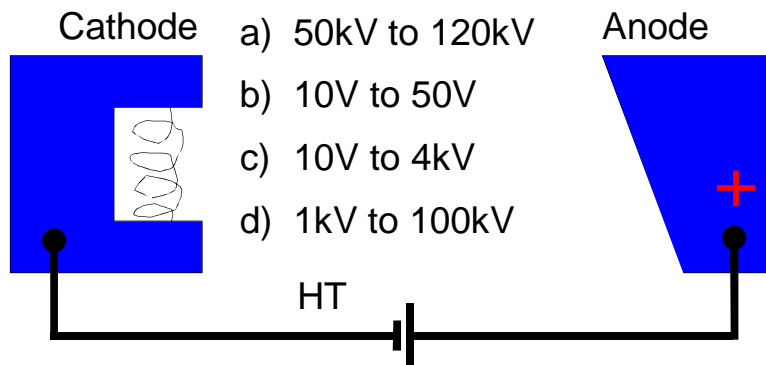
My Class	Participation	[PowerPoint]	Clicker Session Review	Question 1	Question 1	Net Active
My Class<9,35>						
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## UoL Healthcare project

- Evaluation
  - in December 2009
  - thorough
  - to be presented at UoL L&T Conference
    - Jan 2010
  - published in 2010

## Example questions – set 1 – 1/2

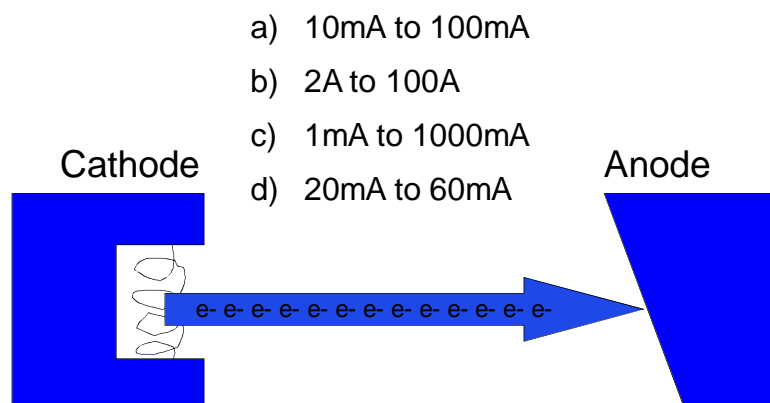
Identify the voltage range between the anode and cathode of a typical x-ray tube



Courtesy of Paul Arnold, University of Leeds: [p.m.arnold@leeds.ac.uk](mailto:p.m.arnold@leeds.ac.uk)

## Example questions – set 1 – 2/2

What would a typical range of **tube current** (Ampere [A]) be in general radiography?



Courtesy of Paul Arnold, University of Leeds: [p.m.arnold@leeds.ac.uk](mailto:p.m.arnold@leeds.ac.uk)

## Example questions – set 2 – 1/2

Which of the following is **not** found in a rotating anode x-ray tube?

- 1) Copper block
- 2) Borosilicate glass
- 3) Nickel focussing cup
- 4) Molybdenum stem

Courtesy of Paul Arnold, University of Leeds: [p.m.arnold@leeds.ac.uk](mailto:p.m.arnold@leeds.ac.uk)

## Example questions – set 2 – 2/2

Which of the following statements is **INCORRECT**?

- 1) The 10-day pregnancy rule should be applied for high dose examinations such as barium enema.
- 2) The 28-day rule should not ideally be applied for high dose examinations such as barium enema.
- 3) If the patient is unsure of the date of their last LMP, the 28-day rule should supercede the 10-day rule
- 4) If the patient is unsure of the date of their last LMP and the pelvis is included in the x-ray, further clarification should be sought or examination rebooked

Courtesy of Paul Arnold, University of Leeds: [p.m.arnold@leeds.ac.uk](mailto:p.m.arnold@leeds.ac.uk)

## Example questions – set 3 – 1/2

What does spiral CT mean?

1. The table continues moving through the scanner during exposure
2. The patient is rotated in the scanner aperture during exposure
3. The x-ray tube spirals in an alternating pattern closer and away from the patient during exposure

Courtesy of Paul Arnold, University of Leeds: [p.m.arnold@leeds.ac.uk](mailto:p.m.arnold@leeds.ac.uk)

## Example questions – set 3 – 2/2

In a 3rd generation CT scanner, how is electricity power transferred to the rotating x-ray tube and detector systems during exposure?

1. Electro-magnetic induction
2. Directly through high tension cables
3. A slip ring

Courtesy of Paul Arnold, University of Leeds: [p.m.arnold@leeds.ac.uk](mailto:p.m.arnold@leeds.ac.uk)

Thank you.  
Your questions?

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