Simple ideas for presenting "white board" and other handwritten lecture notes via zoom
SESE July-August 2020

Web sites have been checked for general relevance, but not otherwise vetted.

There is a series of "Sync Essential" 60 min courses and On Demand Training modules for faculty on the website Hilairy linked to: https://provost.asu.edu/sync/faculty

Document cameras:
- Based on reviews Steve Semken bought this one: https://smile.amazon.com/gp/product/B0868H9NN8/ref=ppx_yo_dt_b_asin_title_o04_s00?ie=UTF8&psc=1
- I have a full HD (1080p) webcam on a USB wire that I just got (in addition to the ones included in my laptops) and have long had a copy stand for photography, so I thought I'd just try fastening the webcam to the copy stand (to approximate the one that Amazon sells for $79, linked to by Steve Semken). I thought I'd see how that worked out in combo with some colored markers and paper. Most of what I used to write on the white board in class was pretty simple diagrams or lists, so lack of higher resolution shouldn't be important.

Using your phone
- a small bendy camera tripod to hold the phone to show the paper you write on works too
- https://www.youtube.com/results?search_query=how+to+set+up+a+document+cam+with+phone
- With computer screen proportions, best to have the phone in landscape mode
- There is a tripod specially designed to hold phones. It is by UbeeSize

Plexiglas or DIY clear "whiteboard systems"
- Here's a DIY YouTube vid for a plexiglass white board system. https://youtu.be/Yq3Zr3qa5vE
- This might be doable https://www.youtube.com/watch?v=L1au1JxMSaA
- https://www.google.com/search?q=plexiglass+lecture+board+DIY&rlz=1C5CHFA_enIT713IT713&oq=plexiglass+lecture+board+DIY&

Canon EOS DSLRs now have a webcam-mode low-latency driver for Zoom (JD follow up)

If you are not lucky enough to own a Canon EOS like me, but you have other brands like Sony etc, this inexpensive USB adapter enables you to use many mirrorless or DSLR cameras (please check the website below for other cameras for compatibility) as a 1080p webcam for Zoom. I use it with my Sony mirrorless a6000 and it works so far great.

https://www.amazon.com/MavisLink-Camcorder-Definition-Acquisition-Broadcasting/dp/B087C3NG9W/ref=sr_1_4?dchild=1&keywords=camlink&qid=1596066545&sr=8-4

Zoom whiteboard function / annotation works way better if you have a drawing tablet. They are less than $50 in Amazon for entry level. I used it in Spring for zoom lectures for writing equations and drawing graphs. The quality is as good as writing/drawing on my physical white board. Note that you get higher resolution by using a drawing tablet than a mouse. I can also write over any electronic materials using the annotation function in Zoom. For example, I open a PPT file and then add handwriting over the PPT file. Also, there are free apps you can use with a drawing tablet (such as, SketchBook and IPEVO annotator). They support some more functions than zoom whiteboard.

Possible web-based whiteboards, listed as "zoomable".
Ziteboard has a free option (ziteboard.com) with limited capabilities.
Scribblar (built in Wolfram Alpha and LaTeX features) can be explored at scribblar.com.
Both the above applications get high ratings (on their web sites!) [Rick Hervig].

Screen recording, etc.
Lots of good help videos (made with Screencast-o-Matic I think) on the ASU LMS webpages:
https://lms.asu.edu/search/mediaAMP/

Snagit costs $50, but ASU has a license for that, just need to go to MyASU -> Services -> New Ticket and request it.

But ASU also has a Deluxe Team license to Screencast-o-Matic, which has many of the options in Camtasia (I'm sure not all, but it has most of the nice features you highlighted Ramon – cut, speed up, Zoom and Pan, record both Camera and Screen if desired).

To get this just go to:
https://asu.edu/SOM; needs ASURITE login
Can either run on Browser, or can Download. If download when it installs it will ask for a Access Code URL, enter simply: asu-som.