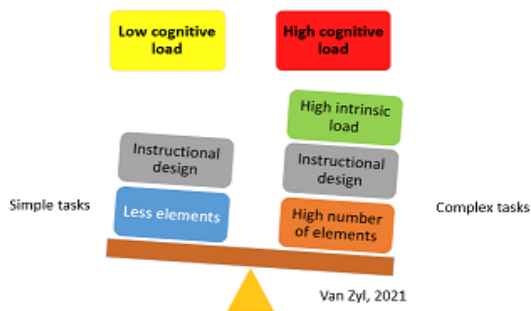


25 June 2021

SDL researcher Dr Sukie van Zyl invited to present to IT and CAT subject advisers



At the invitation of the DBE, Dr Sukie van Zyl presented a virtual professional development session on 8 June for Information Technology (IT) and Computer Applications Technology (CAT) subject advisers and cluster leaders. The title of the presentation was “Cognitive load theory and teaching and learning of complex tasks”. In her presentation, Dr Van Zyl elaborated on guidelines to enhance deeper self-directed learning in CAT and IT by incorporating cognitive load theory (CLT) as proposed by Sweller. The focus of the CLT is to provide optimal resources to a student’s working memory, especially against the high cognitive load imposed by complex tasks. The instructional environment often places an unnecessary cognitive load on students’ working memories when new

information is processed, which adds to the cognitive load generated by the difficulty of a task or topic. A high cognitive load can inhibit learning, and can negatively impact on aspects such as motivation, transfer and problem-solving. After the presentation, a lively discussion followed. Issues that were raised were whether the incorporation of technology adds to the cognitive load, the application of cooperative learning, structuring of course content, and planning creatively on connecting new information to students’ prior knowledge of their real-life contexts.

SDL-navorsers dr Sukie van Zyl uitgenooi om voordrag aan IT en RTT vakadviseurs te lewer

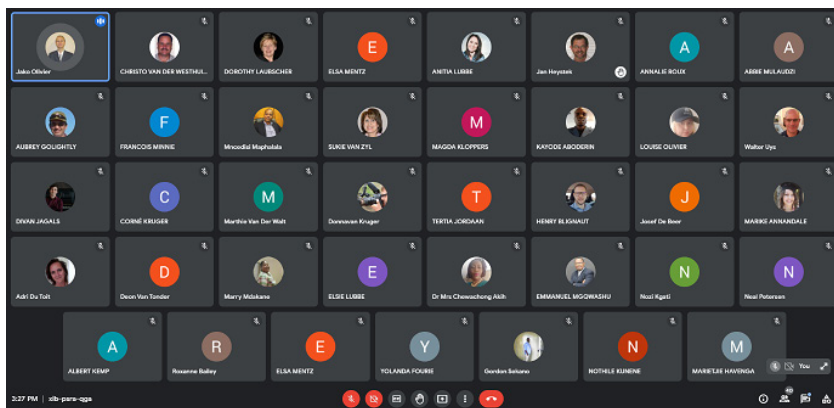
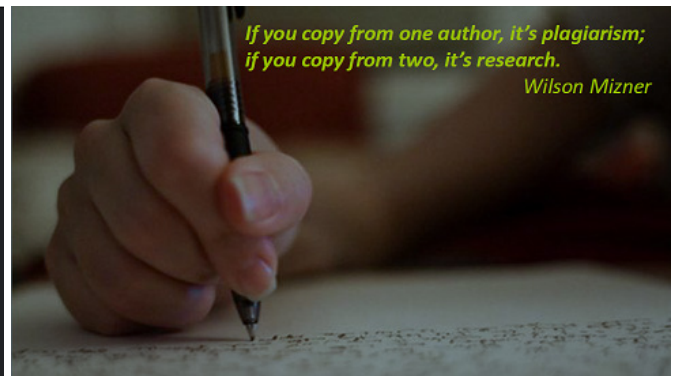
Dr Sukie van Zyl het op 8 Junie op uitnodiging van die DBO ’n aanbieding tydens ’n professionele opleidingsessie vir vakadviseurs en klusterleiers vir Inligtingstegnologie (IT) en Rekenaartoevoegingstegnologie (RTT) aangebied. Die titel van die aanbieding was “Kognitiewe ladingsteorie en die onderrig en leer van komplekse take”. In haar aanbieding het dr van Zyl uitgebrei op riglyne om dieper selfgerigte leer in RTT en IT te bevorder deur die kognitiewe ladingsteorie (KLT) van Sweller te inkorporeer. Die fokus van die KLT is om optimale hulpbronne aan ’n student se werkende geheue beskikbaar te stel, veral wanneer komplekse take reeds ’n hoë kognitiewe lading op die werkende geheue plaas. Die onderrigomgewing kan onnodige kognitiewe lading op studente se werkende geheue plaas wanneer nuwe inligting verwerk moet word, bykomend tot die hoë lading wat reeds deur die moeilikheidsgraad van ’n taak of onderwerp gegenereer word. ’n Hoë kognitiewe lading kan leer inhibeer en aspekte soos motivering, toepassing van kennis en probleemoplossing negatief beïnvloed. ’n Lewendige bespreking het ná die aanbieding gevolg. Kwessies wat aangeraak is, was in watter mate die insluiting van tegnologie tot die kognitiewe lading bydra, die toepassing van koöperatiewe leer, die samestelling van kursusinhoud, en kreatiewe beplanning om nuwe inligting aan studente se voorkennis van hulle lewenswerklike kontekste te koppel.

SDL discourse on plagiarism and Turnitin

Issues around research integrity and plagiarism are relevant to all researchers, and in recent years there have been many concerns in this regard in higher education. Hence, on 10 June 2021, the Research Unit Self-Directed Learning (SDL) presented a discourse on plagiarism and the use of Turnitin software. The discourse was facilitated by Prof Christo van der Westhuizen and a presentation and a demonstration of Turnitin was done by Prof Jako Olivier. In the session it was emphasised that tools such

as Turnitin should be used from undergraduate level upwards. Furthermore, it was stated that plagiarism cannot be linked to a certain percentage, but that each instance of similarity in a Turnitin report should be evaluated. The faculty's Turnitin guideline document was also discussed, and it can be downloaded at:

<https://education.nwu.ac.za/files/files/Ethics/Faculty-of-Education-Turnitin-Guidelines.pdf>



SDL discourse on plagiarism and Turnitin

Kwessies rondom navorsingsintegriteit en plagiaat is relevant vir alle navorsers, en die afgelope paar jaar was daar heelwat kommer hieroor in die hoëronderwyssektor. Daarom het die Navorsingseenheid Selfgerigte Leer (SGL) op 10 Junie 2021 'n diskoers rakende plagiaat en die gebruik van Turnitin-sagteware gehou. Prof Christo van der Westhuizen het die sessie gefasiliteer en prof Jako Olivier het 'n aanbieding en 'n demonstrasie met Turnitin hanteer. In die sessie is beklemtoon dat hulpmiddels soos

Turnitin reeds van voorgraadse vlak af gebruik moet word. Verder is genoem dat plagiaat nie aan 'n bepaalde persentasie gekoppel kan word nie, maar dat elke voorkoms van ooreenstemmende teks in 'n Turnitin-verslag geëvalueer moet word. Die fakulteit se Turnitin-riglyndokument is ook bespreek en dit kan hier afgelaai word:

<https://education.nwu.ac.za/files/files/Ethics/Faculty-of-Education-Turnitin-Guidelines.pdf>

SDL: Prestige Lecture Invitation



The Research Unit Self-Directed Learning and the UNESCO Chair on Multimodal Learning and Open Education Resources cordially invites you to a

PRESTIGE LECTURE

Theme:

Disrupted Classes. Undisrupted Learning:
Integration of informal learning and open
resources to boost education in times
of crises



Prof. Dr. Daniel Burgos

Speaker:

Date: Wednesday,
21 July 2021

Time: 15:00-16:00
(South African time)

To register for the prestige lecture, click on the link below
https://us02web.zoom.us/webinar/register/WN_oakI6_jyT12BUqlup3v4cg



United Nations
Educational, Scientific and
Cultural Organization



UNESCO Chair on Multimodal Learning
and Open Educational Resources
North-West University, South Africa

• FRIDAY FEEL-GOOD NEWS •

GUIDELINES

- Snippets should be sent as an attachment in a **Word document**.
- Snippets should be approximately **50-200** words (per language).
- Snippets must be in both **English and Afrikaans** – we all use different abbreviations and names, so the correct terminology must be provided in both languages.
- Please **include a title** for your snippet.
- Related **photo/s must be provided** along with each snippet:
 - **Sent as an attachment**
 - **In .png or .jpeg format**
 - **Minimum one** photo and a **maximum of eight** photos
- Submit snippets before 12:00 every Wednesday.
- Email snippets to **Aloreece.Johnson@nwu.ac.za**.

For more information, contact Aloreece Johnson on X285 2722.

RIGLYNE

- Brokkies moet as 'n **aanhangsel in 'n Word-dokument** gestuur word.
- Brokkies moet ongeveer **50-200** woorde (per taal) bevat.
- Brokkies moet in beide **Engels en Afrikaans** wees – ons gebruik almal verskillende afkortings en benamings, dus moet die korrekte terminologie in albei tale verskaf word.
- **Sluit 'n titel** vir u brokkie in.
- Gepaste **foto's moet saam met elke brokkie voorsien** word:
 - **Gestuur as 'n aanhangsel**
 - **In png- of jpeg-formaat**
 - **Minimum van een** foto en 'n **maksimum van agt** foto's
- Dien brokkies elke Woensdag voor 12:00 in.
- E-pos brokkies aan **Aloreece.Johnson@nwu.ac.za**.

Vir meer inligting, kontak Aloreece Johnson by X285 2722.