

## Development of a successful pathology course for students from diverse programs

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## Stage 3 Pathology on Musculoskeletal disease

- Medical Sciences
- Science
- Advanced Sciences
- Biomedical Engineering
- Exercise physiology
- Others

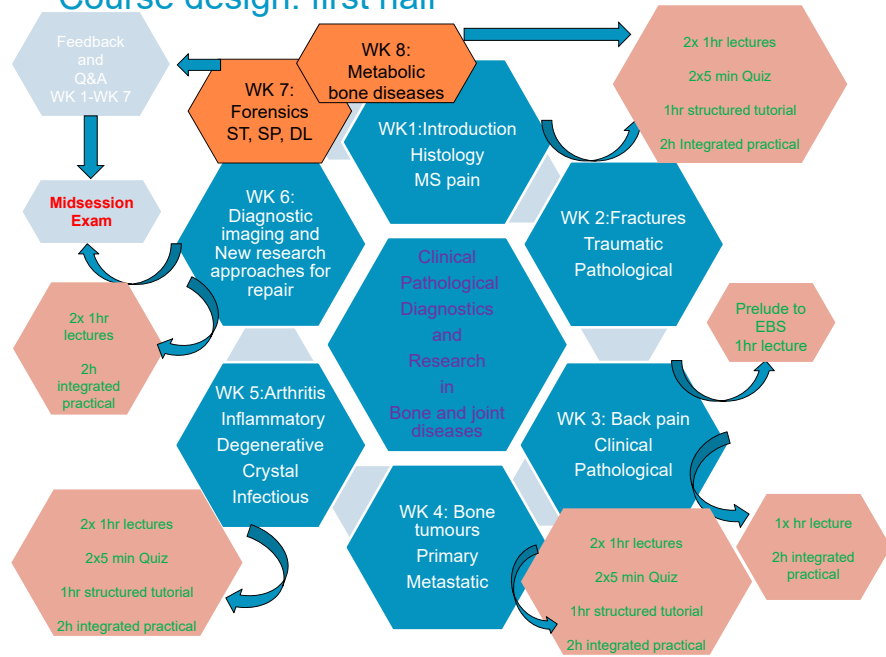
## Major challenges

- Difficulty in catering for students from the different streams and programs
- Not having an overall objectives and directions of the course at the start
- Lack of engagement and motivation to learn if a course appears to be irrelevant to a future career(s)

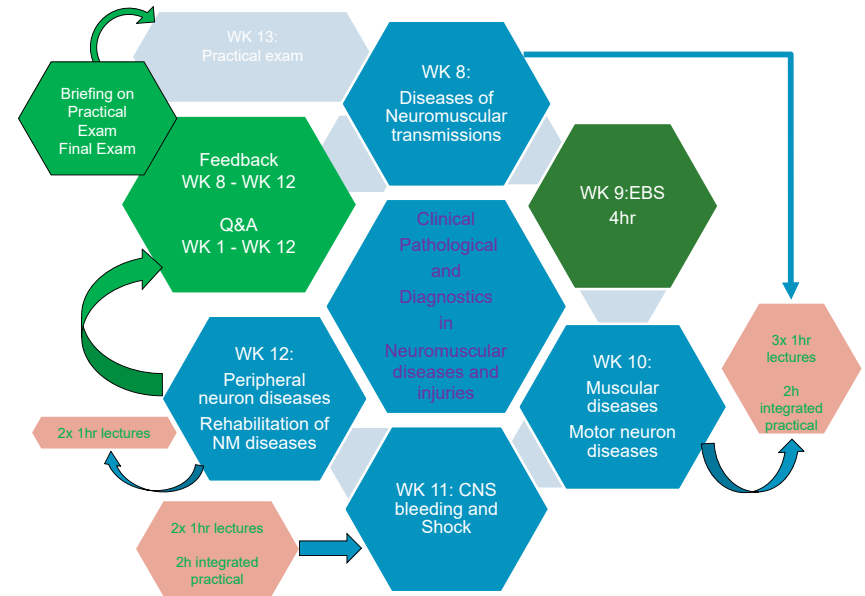
## Student Stratification and priming

Group 1	Group 2	Group 3	Group 4
Ephraums, Sarah Elizabeth	Machet, Joshua Meiron	Van Leeuwen, Paul Peter	Duruchukwu, Esther Chinagozi Peters
Cobcroft, Kaitlyn Lynette	Petsoglou, Maree	Cheung, Rea	Enriquez, Luis Antonio
Heidegger, Daniel Peter	Wair, Ashley Lauren	Manowski, Blake Robert	Flora, Jai
Lepojevic, Iva	Tan, Wei Jie Nicholas	Estoque, Jesse Angelo	Ning, Anna Yashu
Murray, Sarah Jayne	Lam, Tan Dat Timothy	Ou, Bo Wei	Hanna, Rida
Lau, Cynthia Jing Xin	Novak, Adnan	Phan, Zoe Nhi Yan	Schlesinger, Michael Alexander
Devadason, Michelle Christina Anne	Werner, Bonnita Edith	Vyas, Hayati	Boys, Victoria Rose
Foxall, Elise Grace	Youssef, Ed	Thoms, Madeleine Grace	Patel, Shwam Harash
O'Reilly, Finbar James	Jamel, Maryam Ibrahim Moosa	Hicks, Chloe Jade	Trieu, Steven Hoang Duong
Tan, Sean Justin Dy	Karbanowicz, Ella Joanna	Gokal, Divya Rakesh	Frank, Robinson, Shirley Aishwarya
Setargew, Yordanos Fantanesh Irene	Ogata, Sola	Nolan, Michael Morris	Taylor, Victoria Elise
Bhargava, Vignesh	Ramirez, Matthew Constantine Maiglig	Chand, Michelle Varsha	Ratnaselalan, Shivanjali
Haar, Jordan Sidney	Nie, Lizi	Cheong, Jiunn Fung	Li, Angela Sean
Ng, Uti Teng	Prasad, Avishay	Xie, Roger Chang Jian	Yun, Man Hon
Anthony, Andrean	Wickham, Jennifer Anne	Chan, Yak Weng Darius	Sansona, Michaela Louise
McArthur, Calum Neil	Lee, Adrian Jee-Yong		
Group 1.1	Group 2.1	Group 3.1	Group 4.1
Ephraums, Sarah Elizabeth	Wair, Ashley Lauren	Manowski, Blake Robert	Duruchukwu, Esther Chinagozi Peters
Lau, Cynthia Jing Xin	Tan, Wei Jie Nicholas	Estoque, Jesse Angelo	Schlesinger, Michael Alexander
Foxall, Elise Grace	Youssef, Ed	Thoms, Madeleine Grace	Boys, Victoria Rose
Tan, Sean Justin Dy	Ramirez, Matthew Constantine Maiglig	Chand, Michelle Varsha	Ratnaselalan, Shivanjali
Bhargava, Vignesh	Prasad, Avishay	Xie, Roger Chang Jian	Yun, Man Hon
Anthony, Andrean			
Group 1.2	Group 2.2	Group 3.2	Group 4.2
Cobcroft, Kaitlyn Lynette	Petsoglou, Maree	Van Leeuwen, Paul Peter	Enriquez, Luis Antonio
Murray, Sarah Jayne	Werner, Bonnita Edith	Phan, Zoe Nhi Yan	Hanna, Rida
Devadason, Michelle Christina Anne	Novak, Adnan	Hicks, Chloe Jade	Patel, Shwam Harash
Setargew, Yordanos Fantanesh Irene	Ogata, Sola	Gokal, Divya Rakesh	Taylor, Victoria Elise
McArthur, Calum Neil	Nie, Lizi	Chan, Yak Weng Darius	Sansona, Michaela Louise
	Lee, Adrian Jee-Yong		
Group 1.3	Group 2.3	Group 3.3	Group 4.3
Heidegger, Daniel Peter	Machet, Joshua Meiron	Cheung, Rea	Flora, Jai
Lepojevic, Iva	Lam, Tan Dat Timothy	Ou, Bo Wei	Ning, Anna Yashu
O'Reilly, Finbar James	Jamel, Maryam Ibrahim Moosa	Vyas, Hayati	Trieu, Steven Hoang Duong
Haar, Jordan Sidney	Karbanowicz, Ella Joanna	Nolan, Michael Morris	Frank, Robinson, Shirley Aishwarya
Ng, Uti Teng	Wickham, Jennifer Anne	Cheong, Jiunn Fung	Li, Angela Sean

## Course design: first half

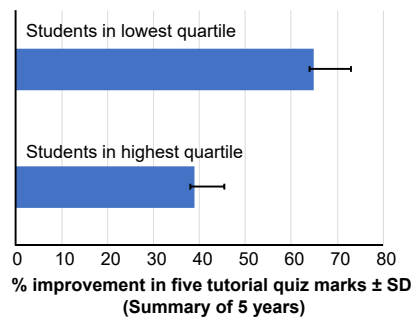
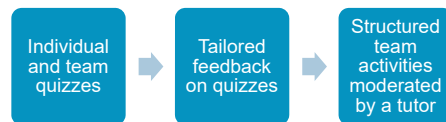


## Course Design: Second half



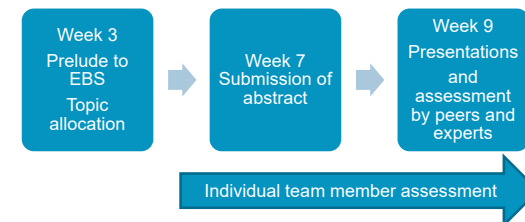
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## Structured Tutorials and TBL and evidence of impact



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## EBS, evidence of impact and examples

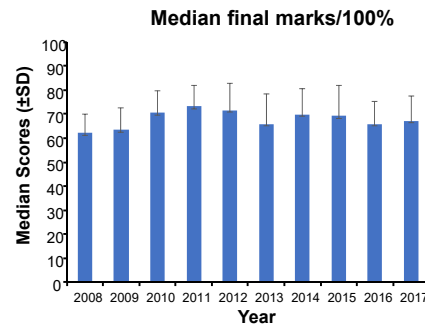
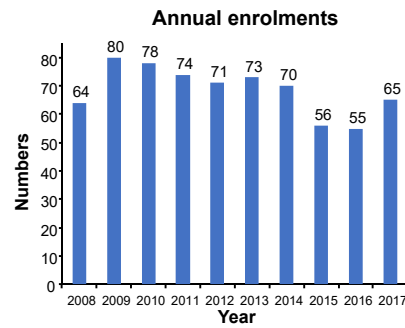


'Group work stimulated camaraderie and it was fun, so much more interesting than posters' (2010)'

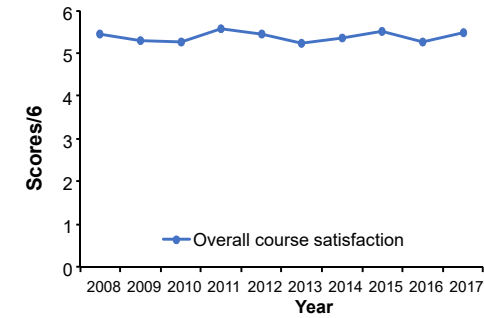
'Working in group and peer assessments were great, very interesting and controversial topics' (2013)

'Role play was very interesting. Actually listened to presentations and did not sleep through' (2017)

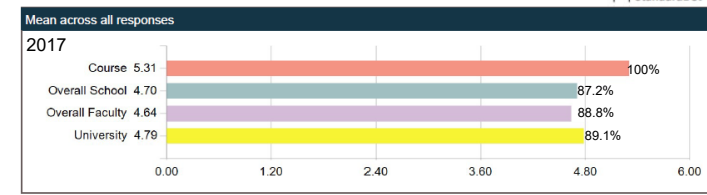
## Evidence of impact: PATH3207



## Student evaluations: PATH3207



Year	% in agreement
2008	100%
2009	97.3%
2010	99.1%
2011	100%
2012	100%
2013	95.6%
2014	98.8%
2015	100%
2016	96.4%



## If you are interested

1. Click on the link: <https://moodle.telt.unsw.edu.au/course/view.php?id=37256>
2. Log into Moodle (if requested)
3. Enter the Student enrolment key: P3207

These include an example of an integrated practical class that contains case histories, virtual microscopic slides, pathological specimens with shared annotations, diagnostic images and laboratory results, a related adaptive tutorial with feedback and an integrated online module for training on flow cytometry.

## Acknowledgments

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- Dr Stephanie Dowdell
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- Department of Pathology
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