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| **Department** | | | Department of Applied Management | |
| **Discipline** | | | Logistics Management | |
| **Research Focus Area** | | | Integrated logistics | |
| **Total capacity for 2024** | | | ? | |
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| **Supervision Team details:** | **Academic Profile** | | | **Capacity** |
| **Prof IM Ambe**  **1(Contact person for this focus area)**  Email: ambeim@unisa.ac.za | Marcus Ambe is a Supply Chain Management professor in the Department of Applied Management. He joined the department in 2008. He is a co-author of many prescribed textbooks in supply chain and has supervised several postgraduate research projects, presented numerous papers in local and international conferences, as well as published articles widely in refereed journals. He currently supervises eleven master’s and seven doctoral students. | | | Up to 1 masters student |
| **Prof C van Zyl**  E-mail: vzylc@unisa.ac.za | PhD in Tourism Management, research expertise in the field of transport, logistics and tourism. | | | None |
| **Dr AN Weber**  Email: snymaan@unisa.ac.za | Alicia Weber is a lecturer in the Department of Applied Management at UNISA, having joined the university in 2011. Alicia holds an undergraduate degree from the University of Pretoria and a Master's degree (cum laude) from UNISA, where she received The UNISA Council's Excellence Award for top performance in a research-based dissertation. In 2022, she completed her PhD from UNISA. Alicia specialises in researching ways to optimise various aspects of the online supply chain. She has authored several articles and chapters in accredited local and international and textbooks. She is currently supervising both Master’s and Doctoral students. | | | Up to 1 Masters and 1 Doctoral student |
| **Ms A Badenhorst**  E-mail: badena@unisa.ac.za | Ms Badenhorst is a senior lecturer in logistics in the Department of Applied Management. She joined the department in 2007. She published several scientific research articles both in national and international accredited journals. She also authored a book chapter in business logistics and presented conference papers in local and international conferences. Ms Badenhorst is part of the editorial board at the Journal of Transport and Supply Chain Management. She is in the process of finalising her PhD in Management Studies (with specialisation in supply chain and logistics) at the University of South Africa. She is currently co-supervising one master’s student. | | | Up to 1 master’s student |
| **Model of supervision** | Candidates will be allocated to a supervisor but will be required to work independently within the requirements of higher degree studies. Additionally, the candidate will have to present his/her work to a panel of academic at colloquia or the candidate should submit his/her work to be reviewed by a blind peer review process. | | | |
| **Selection criteria: Master’s/Doctorate** | Refer to the qualification website for selection criteria. | | | |
| **Selection Procedure** | Refer to the qualification website for selection procedure. | | | |
| **Research scope** | **Integrated Logistics Management** research deals with the fundamentals of supply chain logistics management and the operations, design and administration thereof. The framework of supply chain management creates a foundation for in-depth research of the above-mentioned logistic operational components. Furthermore, within each of these fundamentals are sub-fields that require further research to broaden the student’s understanding and application of successful integrated logistics management. | | | |
| **Reading:**  **Subject Field** | **This is a selection of articles and/or recent books in this research focus area. ‎Further reading over and above these is essential:**   * Ambe, IM, Badenhorst, JA, van Biljon, EBW & Cillliers, O. 2022. Supply chain management: A balanced approach. Pretoria, Van Schaik. * Niemann, W & de Villiers, G. 2022. Strategic logistics management: A supply chain management approach, Third Edition, Van Schaiks. * Bowersox, DJ, Closs, DJ & Cooper, MB. 2020. Supply chain logistics management. 5th edition. New York: McGraw-Hill. * Chopra, S & Meindl, P. 2013. Supply chain management: strategy, planning and operation. 5th edition. Boston: Pearson. * Chase, RB & Jacobs, FR. 2011 Operations and supply chain management. 13th eds. New York, McGraw-Hill. * Coyle, JJ., Langley, CJ., Novack, RA & Gibson, BJ. 2017. 10th ed. Supply chain management: A logistics perspective. Boston, Ma. Cencage¸ * Hugo, W.M.J. & Badenhorst-Weiss, J.A. 2011. Purchasing and supply management. 6th edition. Pretoria: Van Schaik. * Johnson, P.F., Leenders, M.R. & Flynn, A.E. 2011. 14th ed. Purchasing and supply management. New York, NY.: McGraw-Hill. * Monczka, R.M., Handfield, R.B., Giunipero, L.C. & Patterson, J.L. 2016. Sourcing and supply management, 6th ed. Boston, MA: Cengage learning. * Van Weele, A.J. 2014. Purchasing and supply chain management, 6th ed. Hampshire, UK: Cengage Learning. * Wisner, J.L., Tan, K.-C. & Leong, G.K. 2016. Principles of supply chain management: a balanced approach. Boston, MA, US: Cengage Learning.   **Journals:**   * Journal of Transport and Supply Chain Management * Journal of Logistics Management * Journal of Business Logistics * International Journal of Logistics Management * International Journal of Logistics Research and Applications * International Journal of Logistics Systems and Management * International journal of Physical Distribution & Logistics Management * International Journal of Supply Chain Management * European Journal of Operational Research * International Journal of Production Economics * Journal of Cleaner Production | | | |
| **Reading:**  **Research Methodology** | **This is a selection books on methodology. Further reading over and above these is essential:**   * Barua, M. K. and Sinha, S. 2015. Research methodology and communication. 1st ed. Nashik: Yashwantrao Chavan Maharashtra (YCM) Open University. * Bhwama, M & Gobind, S. 2015. ‘Research methodology and approaches’, Journal of Research and Method in Education, 5(3): 48-49. * Brigham, F. J. 2010. Quantitative research in education: Impact on evidence-based instruction, Advances in Special Education, (20): 3-6. * Borbasi, S. & Jackson, D. 2012. Navigating the maze of research. 3rd ed. Chatswood, Sydney: Mosby Elsevier. * Castellan, C. M. 2010. ‘Quantitative and qualitative research: A view for clarity’, International Journal of Education, 2(2): 7. * Choy, L. T. 2014. ‘The strengths and the weaknesses of research methodology: Comparison and complementary between qualitative and quantitative approaches’, Journal of Humanities and Social Sciences, 19(4): 99. * Creswell, J.W. 2013. Research design: Qualitative, quantitative and mixed methods approaches. Sage. 4th ed. * Fassinger, R. & Morrow, S. L. 2013. ‘Towards best practices in quantitative, qualitative, and mixed-research method: A social justice perspective’, Journal for Social Action in Counselling and Psychology, 5(2): 75. * Ingham-Broomfield, R. 2014. ‘A nurses’ guide to quantitative research’, Australian Journal of Advanced Nursing, 32(2): 33- 36. * Jonker, J. & Pennink, B. 2010. The essence of research methodology. A concise guide for Master and PHD students in management science. Berlin: Springer. * Kumar, R. 2013. Research methodology: A step by step guide for beginners. 3rd ed. India: Sage. * Long, H. 2014. ‘An empirical review of research methodologies and methods in creativity studies (2013-2012)’, *Creativity Research Journal,* 26(4): 428. | | | |
| **Resources: Scholar community** | * Chartered Institute of Logistics and Transport: South Africa (CILTSA) | | | |
| **Potential M&D research focus areas or research projects** | | | | |
| Prospective students can make use of the topics listed below or propose their own topic within Logistics Management. Students’ research outlines will be reviewed in terms of topic, the identified problem, feasibility to conduct the research, the context of the study and the scholarliness of presented outline (i.e. academic writing skills, referencing, argumentative skills, golden thread and resources consulted). Consulting and referencing additional resources other than those presented in this document are essential.   * Supply chain collaboration from a logistics perspective * The role of customer relationship management, procurement and manufacturing in integrated logistics management * The role of transportation management in logistics * Packaging and material handling technologies in logistics operations * Warehousing operations * Development and management of supply chain relationships * Collaboration among supply chain members * 3PL and 4PL agreements and relationships * Sustainability in logistics processes * Reverse logistics * Green logistics * SME logistics problems * Information systems and technology in logistics | | | | |
| **Unit of Analysis** | | **Research Focus** | | |
|  | | Local, national, continent and international logistics networks, including private sector and public sector or public-private initiatives | | |