

## MMAF 536 : Treasury Management

Capital structure design, long term and short term financing options, restructuring and insolvency risks. Issuing bank debt, retail and wholesale bonds, private placements and convertible bonds. Hedging strategies to manage foreign exchange, interest rate, commodity and investment risk. Reporting to the Audit and Risk Committee on investment portfolio performance, liquidity, refinancing and counterparty risk.

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View Online



[1]

K. G. Palepu et al., Business analysis & valuation: using financial statements, Second edition. South Melbourne, Victoria: Cengage Learning Australia, 2015. [Online]. Available: <http://ebookcentral.proquest.com/lib/VUW/detail.action?docID=4452261>

[2]

K. G. Palepu et al., Business analysis & valuation: using financial statements, Second edition. South Melbourne, Victoria: Cengage Learning Australia, 2015. [Online]. Available: <http://ebookcentral.proquest.com/lib/VUW/detail.action?docID=4452261>

[3]

R. A. Brealey and S. Myers, Principles of corporate finance, 7th ed. London: McGraw-Hill, 2002.

[4]

R. A. Brealey and S. Myers, Principles of corporate finance, 7th ed. London: McGraw-Hill, 2002.

[5]

'HSBC Guide to Cash, Supply chain and Treasury Management 2012'. [Online]. Available:

[https://www.google.com/search?q=HSBC+Guide+to+Cash%2C+Supply+chain+and+Treasury+Management+2014.pdf&rlz=1C1GGRV\\_enNZ786NZ786&oq=HSBC+Guide+to+Cash%2C+Supply+chain+and+Treasury+Management+2014.pdf&aqs=chrome..69i57.294j0j4&sourceid=chrome&ie=UTF-8&safe=active&ssui=on](https://www.google.com/search?q=HSBC+Guide+to+Cash%2C+Supply+chain+and+Treasury+Management+2014.pdf&rlz=1C1GGRV_enNZ786NZ786&oq=HSBC+Guide+to+Cash%2C+Supply+chain+and+Treasury+Management+2014.pdf&aqs=chrome..69i57.294j0j4&sourceid=chrome&ie=UTF-8&safe=active&ssui=on)

[6]

The Treasurers Global Guide to Investing Cash 2014 - HSBC. [Online]. Available:  
[https://www.google.com/search?rlz=1C1GGRV\\_enNZ786NZ786&ei=R44IXby7CYem9QPykZKYBg&q=HSBC+Guide+to+Cash%2C+Supply+chain+and+Treasury+Management+2014&oq=HSBC+Guide+to+Cash%2C+Supply+chain+and+Treasury+Management+2014&gs\\_l=psy-ab.3...25348.25348..26408...0.0..0.181.181.0j1.....0....1..gws-wiz.hMUsIvIOiDk&safe=active&ssui=on#](https://www.google.com/search?rlz=1C1GGRV_enNZ786NZ786&ei=R44IXby7CYem9QPykZKYBg&q=HSBC+Guide+to+Cash%2C+Supply+chain+and+Treasury+Management+2014&oq=HSBC+Guide+to+Cash%2C+Supply+chain+and+Treasury+Management+2014&gs_l=psy-ab.3...25348.25348..26408...0.0..0.181.181.0j1.....0....1..gws-wiz.hMUsIvIOiDk&safe=active&ssui=on#)

[7]

'Instant Payment Schemes - HSBC', [Online]. Available:  
<https://www.gbm.hsbc.com/insights/technology/instant-payment-schemes>

[8]

'Instant Payments; benefits for treasurers in Europe', [Online]. Available:  
[https://www.google.com/search?q=hsbc+instant+paymnets&rlz=1C1GGRV\\_enNZ786NZ786&oq=hsbc+instant+paymnets+&aqs=chrome..69i57j0.5741j0j4&sourceid=chrome&ie=UTF-8&safe=active&ssui=on#](https://www.google.com/search?q=hsbc+instant+paymnets&rlz=1C1GGRV_enNZ786NZ786&oq=hsbc+instant+paymnets+&aqs=chrome..69i57j0.5741j0j4&sourceid=chrome&ie=UTF-8&safe=active&ssui=on#)

[9]

'Offsetting and Notional Pooling'. [Online]. Available:  
<https://www.pwc.com/gx/en/services/audit-assurance/corporate-treasury-solutions.html>

[10]

'PwC Weekly Publications'.  
<https://www.pwc.co.nz/services/treasury-advisory.html#publications>

[11]

'PwC Treasury Broadsheet May 2019'. [Online]. Available:  
<https://www.pwc.co.nz/services/treasury-and-debt-advisory/reports/public/treasury-broadsheet/2019-may-treasury-broadsheet-newsletter.pdf>

[12]

'PWC Treasury Broadsheet March 2019'. [Online]. Available:  
<https://www.pwc.co.nz/insights-and-publications/subscribed-publications/treasury-and-debt-advisory-services/treasury-broadsheet/treasury-broadsheet-march-2019.html>

[13]

'PWC Treasury Broadsheet November 2018'. [Online]. Available:  
<https://www.pwc.co.nz/insights-and-publications/subscribed-publications/treasury-and-debt-advisory-services/treasury-broadsheet/2018-11-treasury-broadsheet-nov-2018.html>

[14]

'PWC Treasury Broadsheet September 2018'. [Online]. Available:  
<https://www.pwc.co.nz/insights-and-publications/subscribed-publications/treasury-and-debt-advisory-services/treasury-broadsheet/2018-09-treasury-broadsheet-sept-2018.html>

[15]

'PWC Treasury Broadsheet: June 2018'. [Online]. Available:  
<https://www.pwc.co.nz/insights-and-publications/subscribed-publications/treasury-and-debt-advisory-services/treasury-broadsheet/2018-06-01-treasury-broadsheet-june-2018.html>

[16]

'PWC Treasury Broadsheet March 2018'. [Online]. Available:  
<https://www.pwc.co.nz/insights-and-publications/subscribed-publications/treasury-and-debt-advisory-services/treasury-broadsheet/treasury-broadsheet-march-2018.html>

[17]

'PWC Treasury Broadsheet: November 2017'. [Online]. Available:  
<https://www.pwc.co.nz/insights-and-publications/subscribed-publications/treasury-and-debt-advisory-services/treasury-broadsheet/treasury-broadsheet-november-2017.html>

[18]

'PWC Treasury Broadsheet: September 2017'. [Online]. Available:  
<https://www.pwc.co.nz/insights-and-publications/subscribed-publications/treasury-and-debt-advisory-services/treasury-broadsheet/treasury-broadsheet-september-2017.html>

[19]

'PWC Treasury Broadsheet: May 2017'. [Online]. Available:  
<https://www.pwc.co.nz/insights-and-publications/subscribed-publications/treasury-and-debt-advisory-services/treasury-broadsheet/treasury-broadsheet-may-2017.html>

[20]

'PWC Treasury Broadsheet: March 2017'. [Online]. Available:  
<https://www.pwc.co.nz/insights-and-publications/subscribed-publications/treasury-and-debt-advisory-services/treasury-broadsheet/treasury-broadsheet-march-2017.html>

[21]

'A checklist of Internal Controls for Treasury', [Online]. Available:  
[https://www.google.com/search?q=Controls+in+a+Treasury+Function+pwc&rlz=1C1GGRV\\_enNZ786NZ786&oq=Controls+in+a+Treasury+Function+pwc&aqs=chrome..69i57.2575j0j7&sourceid=chrome&ie=UTF-8&safe=active&ssui=on#](https://www.google.com/search?q=Controls+in+a+Treasury+Function+pwc&rlz=1C1GGRV_enNZ786NZ786&oq=Controls+in+a+Treasury+Function+pwc&aqs=chrome..69i57.2575j0j7&sourceid=chrome&ie=UTF-8&safe=active&ssui=on#)

[22]

'2019 Global Treasury Benchmarking Survey'.  
<https://www.pwc.com/gx/en/services/audit-assurance/publications/global-treasury-benchmarking-survey-2019.html>

[23]

'Climate Bond Initiative - Green Bonds'.  
<https://www.climatebonds.net/resources/reports/green-bonds-state-market-2018>

[24]

'Infratil Infrastructure Bonds'.  
[https://www.google.com/search?q=infratil+infrastructure+bonds+term+sheets&rlz=1C1GGRV\\_enNZ786NZ786&oq=infratil+infrastructure+bonds+term+sheets&aqs=chrome..69i57.10199j0j7&sourceid=chrome&ie=UTF-8&safe=active&ss](https://www.google.com/search?q=infratil+infrastructure+bonds+term+sheets&rlz=1C1GGRV_enNZ786NZ786&oq=infratil+infrastructure+bonds+term+sheets&aqs=chrome..69i57.10199j0j7&sourceid=chrome&ie=UTF-8&safe=active&ss)

ui=on#

[25]

'S&P 2018 Annual Global Default and Rating Transition Study'. [Online]. Available: <https://www.spratings.com/documents/20184/774196/2018AnnualGlobalCorporateDefaultAndRatingTransitionStudy.pdf>

[26]

'Moody's Financial Metrics Key Ratios by Rating & Industry for Global Non Financial Corporates'. [Online]. Available: [https://www.researchpool.com/download/?report\\_id=1537315&show\\_pdf\\_data=true](https://www.researchpool.com/download/?report_id=1537315&show_pdf_data=true)

[27]

'Industry Credit Risk ; recent trends for global non-financial corporations 2018'. [Online]. Available: [https://www.google.com/search?q=moodys+financial+metrics+key+ratios+by+rating+and+industry+for+global+non+financial+corporates&rlz=1C1GGRV\\_enNZ786NZ786&oq=moodys+financial+metrics+key+ratios+by+rating+and+industry+for+global+non+financial+corporates&aqs=chrome..69i57.1127j0j7&sourceid=chrome&ie=UTF-8&safe=active&ssui=on#](https://www.google.com/search?q=moodys+financial+metrics+key+ratios+by+rating+and+industry+for+global+non+financial+corporates&rlz=1C1GGRV_enNZ786NZ786&oq=moodys+financial+metrics+key+ratios+by+rating+and+industry+for+global+non+financial+corporates&aqs=chrome..69i57.1127j0j7&sourceid=chrome&ie=UTF-8&safe=active&ssui=on#)

[28]

'Moody's Financial Metrics - Key ratios by Rating and Industry'. [Online]. Available: [https://www.google.com/search?q=Corporates%3AMoody%27s+Financial+Metrics%E2%84%A2+Key+Ratios+by+Rating+and+Industry+for+Global+Non-Financial+Corporates%3A+December+2016&rlz=1C1GGRV\\_enNZ786NZ786&oq=Corporates%3AMoody%27s+Financial+Metrics%E2%84%A2+Key+Ratios+by+Rating+and+Industry+for+Global+Non-Financial+Corporates%3A+December+2016&aqs=chrome..69i57j69i58.4929j0j7&sourceid=chrome&ie=UTF-8&safe=active&ssui=on#](https://www.google.com/search?q=Corporates%3AMoody%27s+Financial+Metrics%E2%84%A2+Key+Ratios+by+Rating+and+Industry+for+Global+Non-Financial+Corporates%3A+December+2016&rlz=1C1GGRV_enNZ786NZ786&oq=Corporates%3AMoody%27s+Financial+Metrics%E2%84%A2+Key+Ratios+by+Rating+and+Industry+for+Global+Non-Financial+Corporates%3A+December+2016&aqs=chrome..69i57j69i58.4929j0j7&sourceid=chrome&ie=UTF-8&safe=active&ssui=on#)

[29]

'Moody's Rating Methodologies'. [Online]. Available: [https://www.google.com/search?q=Corporates%3AMoody%27s+Financial+Metrics%E2%84%A2+Key+Ratios+by+Rating+and+Industry+for+Global+Non-Financial+Corporates%3A+December+2016&rlz=1C1GGRV\\_enNZ786NZ786&oq=Corporates%3AMoody%27s+Financial+Metrics%E2%84%A2+Key+Ratios+by+Rating+and+Industry+for+Global+Non-Fi](https://www.google.com/search?q=Corporates%3AMoody%27s+Financial+Metrics%E2%84%A2+Key+Ratios+by+Rating+and+Industry+for+Global+Non-Financial+Corporates%3A+December+2016&rlz=1C1GGRV_enNZ786NZ786&oq=Corporates%3AMoody%27s+Financial+Metrics%E2%84%A2+Key+Ratios+by+Rating+and+Industry+for+Global+Non-Fi)

nancial+Corporates%3A+December+2016&aqs=chrome..69i57j69i58.4929j0j7&sourceid=chrome&ie=UTF-8&safe=active&ssui=on#

[30]

'S&P Corporate Methodology'. [Online]. Available:  
[https://www.google.com/search?q=S%26P+corporate+methodology&rlz=1C1GGRV\\_enNZ786NZ786&oq=S%26P+corporate+methodology&aqs=chrome..69i57j0i5.9097j0j7&sourceid=chrome&ie=UTF-8&safe=active&ssui=on#](https://www.google.com/search?q=S%26P+corporate+methodology&rlz=1C1GGRV_enNZ786NZ786&oq=S%26P+corporate+methodology&aqs=chrome..69i57j0i5.9097j0j7&sourceid=chrome&ie=UTF-8&safe=active&ssui=on#)

[31]

'Principles of Credit Ratings', [Online]. Available:  
[https://www.google.com/search?q=principles+of+creditr+ratings&rlz=1C1GGRV\\_enNZ786NZ786&oq=principles+of+creditr+ratings&aqs=chrome..69i57j0i4.5545j0j7&sourceid=chrome&ie=UTF-8&safe=active&ssui=on#](https://www.google.com/search?q=principles+of+creditr+ratings&rlz=1C1GGRV_enNZ786NZ786&oq=principles+of+creditr+ratings&aqs=chrome..69i57j0i4.5545j0j7&sourceid=chrome&ie=UTF-8&safe=active&ssui=on#)

[32]

'S&P Global Ratings definitions'. [Online]. Available:  
[https://www.google.com/search?q=s%26p+glossary+of+terms&rlz=1C1GGRV\\_enNZ786NZ786&oq=S%26P+glossary&aqs=chrome.3.69i57j0i4.7715j0j7&sourceid=chrome&ie=UTF-8&safe=active&ssui=on#](https://www.google.com/search?q=s%26p+glossary+of+terms&rlz=1C1GGRV_enNZ786NZ786&oq=S%26P+glossary&aqs=chrome.3.69i57j0i4.7715j0j7&sourceid=chrome&ie=UTF-8&safe=active&ssui=on#)

[33]

'S&P Glossary of common business and financial terms'. [Online]. Available:  
[https://www.google.com/search?q=s%26p+glossary+of+terms&rlz=1C1GGRV\\_enNZ786NZ786&oq=S%26P+glossary&aqs=chrome.3.69i57j0i4.7715j0j7&sourceid=chrome&ie=UTF-8&safe=active&ssui=on#](https://www.google.com/search?q=s%26p+glossary+of+terms&rlz=1C1GGRV_enNZ786NZ786&oq=S%26P+glossary&aqs=chrome.3.69i57j0i4.7715j0j7&sourceid=chrome&ie=UTF-8&safe=active&ssui=on#)

[34]

'Beyond Theory - Practitioner Perspectives on Enterprise Risk Management', [Online]. Available:  
[https://www.google.com/search?q=Beyond+Theory+-+Practitioner+Perspectives+on+Enterprise+Risk+Management.pdf&rlz=1C1GGRV\\_enNZ786NZ786&oq=Beyond+Theory+-+Practitioner+Perspectives+on+Enterprise+Risk+Management.pdf&aqs=chrome..69i57.1690j0j7&sourceid=chrome&ie=UTF-8&safe=active&ssui=on#](https://www.google.com/search?q=Beyond+Theory+-+Practitioner+Perspectives+on+Enterprise+Risk+Management.pdf&rlz=1C1GGRV_enNZ786NZ786&oq=Beyond+Theory+-+Practitioner+Perspectives+on+Enterprise+Risk+Management.pdf&aqs=chrome..69i57.1690j0j7&sourceid=chrome&ie=UTF-8&safe=active&ssui=on#)

[35]

'Risk Appetite Statements - How to spot the genuine article - Deloittes', [Online]. Available: [https://www.google.com/search?rlz=1C1GGRV\\_enNZ786NZ786&ei=dYkIXcH1Osao9QPj86igAQ&q=deloitte-au-risk-appetite-frameworks-0614&oq=deloitte-au-risk-appetite-frameworks-0614&gs\\_l=psy-ab.3...132014.133757..135089...0.0..3.251.1246.0j3j3.....0....1j2..gws-wiz.....0..0i7i30j0i7i10i30.2ge420auOoU&safe=active&ssui=on#](https://www.google.com/search?rlz=1C1GGRV_enNZ786NZ786&ei=dYkIXcH1Osao9QPj86igAQ&q=deloitte-au-risk-appetite-frameworks-0614&oq=deloitte-au-risk-appetite-frameworks-0614&gs_l=psy-ab.3...132014.133757..135089...0.0..3.251.1246.0j3j3.....0....1j2..gws-wiz.....0..0i7i30j0i7i10i30.2ge420auOoU&safe=active&ssui=on#)

[36]

'Fitch lays out its approach to incorporating ESG in its ratings', [Online]. Available: <https://www.pionline.com/article/20171107/ONLINE/171109883/fitch-lays-out-its-approach-to-incorporating-esg-in-its-ratings>

[37]

'The Effects of Corporate Social Performance on the Cost of Corporate Debt and Credit Ratings', [Online]. Available: <https://onlinelibrary.wiley.com/doi/abs/10.1111/fire.12025>

[38]

'IRM - Risk Appetite Statements', [Online]. Available: [https://www.google.com/search?q=irm+risk+appetite+statements&rlz=1C1GGRV\\_enNZ786NZ786&oq=irm+risk+appetite+statements&aqs=chrome..69i57.15530j0j4&sourceid=chrome&ie=UTF-8&safe=active&ssui=on#](https://www.google.com/search?q=irm+risk+appetite+statements&rlz=1C1GGRV_enNZ786NZ786&oq=irm+risk+appetite+statements&aqs=chrome..69i57.15530j0j4&sourceid=chrome&ie=UTF-8&safe=active&ssui=on#)

[39]

'Risk Appetite & Tolerance Guidance Paper - IRM', [Online]. Available: [https://www.google.com/search?q=irm+risk+appetite+statements&rlz=1C1GGRV\\_enNZ786NZ786&oq=irm+risk+appetite+statements&aqs=chrome..69i57.15530j0j4&sourceid=chrome&ie=UTF-8&safe=active&ssui=on#](https://www.google.com/search?q=irm+risk+appetite+statements&rlz=1C1GGRV_enNZ786NZ786&oq=irm+risk+appetite+statements&aqs=chrome..69i57.15530j0j4&sourceid=chrome&ie=UTF-8&safe=active&ssui=on#)

[40]

'AIR NZ Annual Financial Results'. [Online]. Available: <https://www.airnewzealand.co.nz/latest-annual-and-interim-results>

[41]

'Breaking up with LIBOR - The CFO, the Corporate Treasurer and the risk of inaction',

[Online]. Available: <https://www.pwc.ch/en/insights/risk/breaking-up-with-libor.html>

[42]

'Treasury Function of the Future', [Online]. Available: <https://www.pwc.co.uk/services/audit-assurance/risk-assurance/services/treasury-commodity/insights/treasury-function-of-the-future.html>

[43]

'Digital treasury: A future state vision', [Online]. Available: <https://www.pwc.com/us/en/services/consulting/library/digital-treasury-future-state-vision.html>

[44]

'Digital Cash Management Solutions'. [Online]. Available: <https://www.pwc.com/gx/en/services/audit-assurance/corporate-treasury-solutions.html>

[45]

'NZX Regulation'. <https://www.nzx.com/regulation/nzx-rules-guidance/nzx-mo-announcements/guidance-notes>

[46]

'Reval'. <https://www.reval.com/corporates/>

[47]

'G-Treasury'. <https://gtreasury.com/why-gtreasury/digital-tms>

[48]

'TMI'. <https://www.treasury-management.com/>



[49]

'Association of Corporate Treasurers'. <https://www.treasurers.org/>

[50]

L. Li and S. Z. Islam, 'Firm and industry specific determinants of capital structure: Evidence from the Australian market', *International Review of Economics & Finance*, vol. 59, pp. 425-437, Jan. 2019, doi: 10.1016/j.iref.2018.10.007.

[51]

'The firm specific determinants of capital structure - An empirical analysis of firms before and during the Euro crisis', [Online]. Available: <https://reader.elsevier.com/reader/sd/pii/S0275531917308206?token=3FD9C14A60782E0E9146C2E0B6820A36344BEA2BABB4077A244974E1EAEFB940986AE21DD31212D6390BBFC2F8839F3B>

[52]

'PROSPECTUS - Quayside Holdings Limited \$200 million Perpetual Preference Shares 2008'. [Online]. Available: <http://www.quaysideholdings.co.nz/investment-centre/investment-statement-prospectus.aspx>

[53]

'Capital Notes - FMA', [Online]. Available: <http://webcache.googleusercontent.com/search?q=cache:NXkv08-SvhYJ:www.fma.govt.nz/assets/Brochure/Consumer-Guide-Capital-Notes.pdf+&cd=3&hl=en&ct=clnk&gl=nz>

[54]

'Millennium & Copthorne Hotels NZ Limited Pref Shares'. <https://www.nzx.com/companies/MCK>

[55]

'NZ ETS Scheme'. <https://www.mfe.govt.nz/climate-change/new-zealand-emissions-trading-scheme/about-nz->

ets