Potential methodological artefacts	Pedagogic weaknesses
 Small sample sizes, lack of adequate controls, single outcome measures, (Paoline, Terrill and Rossler, 2015); Statistical findings explaining little variance suggestive of influence of nonmeasured factors and small effect sizes, some of which disappear when controlling for gender, age or length of experience (Paoline, Terrill and Rossler, 2015, Owen and Wagner 2008); Poor operationalising of performance (Sanders, 2003, Baro & Burlingame, 1999) and directionality- are fewer arrests a good or a bad indicator of police proficiency or ethical practice (Paynich, 2009, Worden, 1990); Different ways of measuring educational level-dichotomised graduate/non graduate (Trojanowicz and Nicholson 1976), differentiated by year of 4 year US college degree (Golden, 1981), scale (Cascio 1997); Different attitude scales used making comparison difficult (Worden, 1990, Sanders, 2003); Use of bespoke instruments without reporting psychometric properties and not used in replication or comparative studies (Hayeslip, 1989); Subjective measures -self-report or supervisor ratings (Worden, 1990); Use of student CJ majors with/out police career intentions to infer future impact on policing (Carlan, 2007, Stanislas, 2014, Owen and Wagner, 2008); Not partialing out socialisation effects of police occupational culture once employed in a police force (Fielding 1986). 	 The rapid growth in university programmes which has been ad hoc without concerns about academic credentialing (Baker, Holcombe and Baker,2017); Lack of rigorous discussion about which is the best undergraduate programme for police officers (e.g. social science based, liberal arts, based, professionally based) (Taylor, 1983; Wilmshurst and Ransley, 2007, Cordner 2016); Curricula not being based on empirically tested hypotheses (Carter and Sapp,1992) and HE providers being poor at developing suitable learning outcomes (Cox,2011); Universities being too entrepreneurial and not ready to properly scope or adapt courses for police (Taylor, 1983,Southerland et al,2007, Cordner, 2016); Disagreements about the efficacy of preentry, post-employment or in-service graduate education (Sherman, 1978, Blakemore and Simpson, 1983); A waxing and waning for enthusiasm for university level education and disagreements over curriculum and delivery (Wimshurst and Ransley, 2007;Trofymowych 2007/8); The body of knowledge is incomplete and remains in development (Trofymowych 2007/8); Lack of professionalised police educators within the HE sector to provide practice led learning (Cox, 2011; Diderichsen, 2017); Tensions between competency learning models and reflective practice (Cox, 2011); Degree inflation -2 years of College in 1990s said to equivalent to high school diploma of the 1960s (Baro and Burlingame 1999).